



# Urban District Council of Felling



## Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1967

**HUBERT C. WEIR,**

**M.A., M.B., B.Ch., B.A.O., D.P.H., M.R.S.H., F.R.I.P.H.H.**

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*Medical Officer of Health.*



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Tel.: FELLING 692251

HEALTH DEPARTMENT,  
DAVIDSON STREET,  
FELLING.  
AUGUST, 1968.

*To the Chairman and Members of the  
Urban District Council of Felling.*

MR. CHAIRMAN AND GENTLEMEN,

I have pleasure in submitting the Annual Report of the Medical Officer of Health on the Health of the Urban District and the work in the Health Department for the year 1967.

According to the Registrar General's estimate the population of the Urban District at mid-June, 1967, was 38,870, compared with 38,780 for the previous year. The natural increase, i.e., the excess of births over deaths was, however, 236 for 1967 and 248 for 1966. Doubtless this will be adjusted in due course.

The birth rate was 15·5 per 1,000 population, compared with 16·1 in 1966, the standardised rate (i.e., adjusted for age and sex distribution of the population) being 14·2 which was less than the figure of 17·2 for England and Wales.

The infant mortality rate again fell to 17·9 as compared with 20·8 for 1966. The national figure for England and Wales was 18·3 which was the lowest ever recorded, so we are now below the national average. I am pleased to say that 9 out of the 11 infant deaths were unavoidable, being congenital.

The death rate decreased to 9·8 per 1,000 population, compared with 14·5 during 1966, although the standardised rate again exceeded that for England and Wales.

Heart disease and cancer still continue to be the most important causes of death and were responsible for 54 per cent of the total mortality. Coronary disease was responsible during the year for the death of 50 males and 38 females. This was a slight decrease compared with 1966 and was still the commonest single cause of death; combined with other forms of heart disease the resultant mortality was approximately 5 per cent. of all deaths.

I have to report that the number of deaths from lung cancer shows a rise as against 1966. The 1965 drop I credited to the much cleaner air that now obtains in Felling, so I must once again place



the blame where I am sure it inevitably lies, i.e., cigarette smoking. Although cigarette smoking has proved to have a definite relationship to lung cancer it must also be borne in mind that it has been found to be a leading cause in Coronary disease. I cannot too strongly stress the danger of this form of drug addiction.

In the environmental sphere, encouraging progress continues to be made in the control of atmospheric pollution. Further reference to this important topic will be found on page 39 in the Chief Public Health Inspector's section of the Report. Although foul pollution of the River Tyne continues unabated it is worth recalling that, to the great credit of the Council, a modern Sewage Works was constructed in 1955. This has been handed over to the Tyne Sewage Disposal Scheme and caters mainly for the Leam Lane Housing Estate with approximately 4,500 houses. The rest of Felling is being linked up with the main Tyne Sewage Disposal Scheme in the future.

The following changes in staff took place:—

Mr. P. L. McConville took up his appointment as Additional Public Health Inspector on 8th March, 1967, and Mr. J. Young was appointed Pupil Public Health Inspector on 28th March, 1967.

This is my fifth Annual Report since I was appointed in June, 1963.

In closing I should like to express my appreciation to all the Councillors and also the members of the Health staff who have made my work so much easier by their help and co-operation.

HUBERT C. WEIR,

*Medical Officer of Health.*

## HEALTH COMMITTEE

---

*Chairman :*

Councillor T. P. S. PRUDHAM, J.P.

*Vice-Chairman :*

Councillor R. BUTTERWORTH.

Councillor R. BAXTER.

„ T. W. ELLIOTT.

„ J. R. FOSTER.

„ J. D. HALL.

„ D. G. HARDY, J.P.

„ O. C. HENDERSON.

„ A. HOPPER.

Councillor E. C. JUSTICE.

„ T. McERLANE.

„ R. OLDS.

„ C. M. ROBERTS.

„ C. W. SCOTT.

„ G. W. STERLING.

„ N. TINDAL.

### **No. 2 Area Health Sub-Committee.**

Councillor J. R. FOSTER.

„ J. D. HALL.

„ E. C. JUSTICE.

„ J. LUMSDON.

„ G. W. STERLING.

### **United Districts of Jarrow, Hebburn, Felling, and Boldon Joint M.O.H. Committee.**

Councillor R. BAXTER.

„ R. BUTTERWORTH.

„ O. C. HENDERSON.

„ T. P. S. PRUDHAM, J.P.



## SECTION “ A.”

# Statistics of the Area

---

### (a) General Statistics.

|  |      |                            |            |
|--|------|----------------------------|------------|
| Area of the Urban District in acres                | .... | ....                       | 3,325      |
| Estimated Resident Population (mid-June, 1967).... |      |                            | 38,870     |
| Number of Inhabited Houses                         | .... | ....                       | 12,433     |
|  |      | (Including Council Houses) |            |
| Number of Council Houses ....                      | .... | ....                       | 7,065      |
| Rateable Value (31st March, 1967)                  | .... |                            | £1,026,847 |
| Sum represented by Penny Rate (31st March, 1968)   |      |                            | £4,300     |

### (b) Physical and Social Conditions.

#### (1) *Description of the Area.*

The shape of the Urban District is roughly square, the northern boundary being formed by the River Tyne with a steep-sided fore-shore of about two miles in length. The Urban District is bounded to the west by Gateshead County Borough and to the south by Washington Urban District ; the eastern boundary is formed to the north by Hebburn Urban District and to the south by Boldon Urban District. Part of the south boundary is formed by Gateshead Fell, which rises to about 600 feet above sea level, and whence there is a gradual fall to the River.

The main industries of the district are engineering, coal-mining, building construction, chemical and paint manufacture, marine engineering, etc.

#### (2) *Employment in the Area.*

I am indebted to Mrs. M. E. Cogdon, Manager, Employment Exchange, Felling, for the following figures on employment, unemployment and disability in the area.

### (3) *Industrial Structure of the Urban District.*

| INDUSTRY   |      |      |      |      |       | Males | Females | Total |
|--|------|------|------|------|-------|-------|---------|-------|
| <b>Primary Production—</b>                                 |      |      |      |      |       |       |         |       |
| Agriculture and Horticulture                               | .... | .... | .... | .... | } 792 | 17    | 809     |       |
| Mining and Quarrying                                       | ...  | .... | .... | .... |       |       |         |       |
| <b>Manufacturing Industries—</b>                           |      |      |      |      |       |       |         |       |
| Food and Drink   | .... | .... | .... | .... | 200   | 152   | 352     |       |
| Chemicals, Paints and Allied Industries                    | .... | .... | .... | .... | 672   | 222   | 894     |       |
| Metal, Metal Goods Manufacture                             | .... | .... | .... | .... | 140   | 48    | 188     |       |
| Engineering, Electrical Goods and Shipbuilding             | .... | .... | .... | .... | 1,249 | 139   | 1,388   |       |
| Textiles and Clothing Manufacture                          | .... | .... | .... | .... | 88    | 553   | 641     |       |
| Bricks, Timber, Furniture, etc.                            | .... | .... | .... | .... | 287   | 37    | 324     |       |
| Other Manufacturing Industries                             | .... | .... | .... | .... | 252   | 175   | 427     |       |
| <b>Service Industries, Trades and Professions—</b>         |      |      |      |      |       |       |         |       |
| Construction   | .... | .... | .... | .... | 746   | 4     | 750     |       |
| Transport and Communications                               | .... | .... | .... | .... | 260   | 14    | 274     |       |
| Distributive Trades  | .... | .... | .... | .... | 272   | 566   | 838     |       |
| Professional and Scientific Services (including Education) | .... | .... | .... | .... | 106   | 190   | 296     |       |
| Public Administration                                      | .... | .... | .... | .... | 272   | 114   | 386     |       |
| Miscellaneous Services                                     | .... | .... | .... | .... | 174   | 466   | 640     |       |
| TOTAL  |      |      |      |      |       | 5,510 | 2,697   | 8,207 |

The totals of insured employees show an overall decrease of 147 (46 men and 101 women) compared with 1966. The decrease in the number of women employees is most noticeable in the textile and clothing trade and to a lesser extent in the service industries. There have been small increases in the number of men employed in the manufacture of chemicals and paints as well as in bricks, timber, and furniture, but these have not been large enough to compensate for the considerable reduction in the number employed in the construction industry. Nevertheless, building which had been largely suspended during 1966 on the Felling Industrial Estate recommenced in 1967, and several firms moved into the area. The growth of new industry on this and other sites should show an improvement in the numbers employed locally in future reports.

### (4) *Unemployment.*

In December, 1966, the register of unemployed men and women totalled 320. This figure jumped to 456 during the first months of 1967, and apart from small decreases evident in February and May continued to rise throughout the year. Peaks were reached in June and July (totals of 508 and 538, respectively), due to short-time working in the engineering and clothing industries. In December, 1967, the total stood at 527, of which 87 were women.

The employment position for young people which had continued to be favourable up to the Autumn of 1966 worsened during 1967, particularly in openings for boys. In December, 1967, the register consisted of 39 boys and 2 girls compared to the total of 17 boys (only) seeking employment in December, 1966.

(5) *Disabled Persons.*

In April, 1967, the total number of persons registered under the Disabled Persons' (Employment) Acts, 1944 and 1958, stood at 488, compared to the total of 472 in April, 1966. Unemployment of registered disabled persons at December, 1967 (76 men and 12 women), showed an increase of 26 over those registered in December, 1966.

The following table indicates their suitability for employment.

|  | Men | Women |
|--|-----|-------|
| (a) Suitable for ordinary employment....   | 68  | 10    |
| (b) Severely disabled persons classified as unlikely to obtain employment except under sheltered conditions .... | 8   | 2     |

(6) *Government Training Centre/Industrial Rehabilitation Unit.*

The Government Training Centre and Industrial Rehabilitation Unit, Green Lane, Felling, is one of the largest in the country. Training in the following trades, plus places for electrical and general engineering apprentices, is provided.

ENGINEERING TRADES.

Draughtsmanship, Precision Fitting, Instrument Bench and Machine working, Centre Lathe Turning, Turning and Boring, Capstan Setter Operating, Milling Machine Setter Operating, Precision Grinding, Instrument Mechanics and Jig and Tool Fitting.

BUILDING TRADES.

Paviors, Bricklayers, Carpenters.

MISCELLANEOUS TRADES.

Gentlemen's Hairdressing, Radio and Electronics, Motor Vehicle Repairing, Electrical Contracting, Heating and Ventilating Fitting.

The Industrial Rehabilitation Unit provides courses up to a maximum of 12 weeks, and in certain cases for 26 weeks to tone up, assess and guide in the main disabled persons, persons just recovered from long periods of sickness, and certain able-bodied people who are in need of assessment.

The catchment area of the Unit consists of the four Northern Counties and North Riding of Yorkshire. Hostel accommodation is available at Finchale Abbey Training Centre, for rehabilitees who live beyond daily travelling distance. Applications for training or for Industrial Rehabilitation should be made at any Employment Exchange. Detailed information can also be obtained from the appropriate Employment Exchanges.



A total of 635 persons (590 males and 45 females), mainly from the five northern counties of England, were admitted to the Department of Employment and Productivity Rehabilitation Unit at the above address in 1967-68. Of these, 20 males and 2 females came from the Felling Employment Exchange area.

Almost all of these people had a physical or mental disability and were recommended usually on medical advice from hospitals, general practitioners, works medical officers, welfare agencies, and Ministry of Health examining doctors, and via the Department of Employment and Productivity Disablement Resettlement Officers, one of whom is located at each Employment Exchange.

The main objects of a course of rehabilitation are to build up employment capacity, restore confidence in those who have illness or injury by providing mental and physical toning up and an opportunity to gradually adjust to working conditions and also to make a complete assessment of working capacity, skills and/or aptitudes.

An analysis of the disabilities of the persons admitted during the year is as follows:—

|                                       | Per cent. |
|---------------------------------------|-----------|
| Amputations                           | 3·0       |
| Arthritis and Rheumatism              | 3·0       |
| Diseases of the Digestive System      | 3·3       |
| „ „ Heart and Circulatory System      | 5·2       |
| „ „ Respiratory System                | 8·0       |
| Eye and Ear Defects                   | 6·3       |
| Head and Trunk Injuries               | 4·3       |
| Deformities of Lower and Upper Limbs  | 14·3      |
| Injuries and Deformities of the Spine | 18·1      |
| Psychoneurosis                        | 8·2       |
| Psychosis                             | 5·7       |
| Epilepsy                              | 3·6       |
| Other Organic and Nervous Diseases    | 4·2       |

A few able-bodied persons, most of whom had been unemployed for a long time, were admitted with a view to restoring them to working habits and fitness.

The progress of persons completing the course is followed up by enquiry for a period of six months after terminating the course, and the estimated results (not yet finally complete for the period under review) indicate that approximately 50 per cent. have returned to satisfactory employment or have gone on to one of the courses at the Government Training Centre. This is somewhat below the National rate but consistent with the Regional employment situation.

The Centre Manager is Mr. C. H. N. Clift, who is assisted by Mr. J. Stone, B.E.M. (Deputy Manager and Rehabilitation Officer), Mr. J. Wakeham and Mr. W. Sleeth (Assistant Managers), Dr. F. J. Robertson (Unit Medical Officer), Mr. M. Lathrope (Occupational Psychologist), Mr. G. G. Browell (Disablement Resettlement Officer), and Mrs. M. Zawadzka (Social Worker).

(7) *National Assistance.*

I am indebted to Mr. N. Edgar, Area Officer, National Assistance Board, for the following information regarding classes of persons in receipt of National Assistance and for supplementary pensions at 31st December, 1967. The figures are for the area administered by the Felling Office and include Washington and part of Gateshead.

| Assistance paid in Supplementation of Insurance Benefits— |      |      |      |      |       |  |
|---|------|------|------|------|-------|--|
| Retirement Pensioners                                     | .... | .... | .... | .... | 3,856 |  |
| Persons registered for employment                         | .... | .... | .... | .... | 567   |  |
| Sickness Cases  | .... | .... | .... | .... | 326   |  |
| Widows  | .... | .... | .... | .... | 235   |  |
| Others  | .... | .... | .... | .... | 305   |  |
|   |      |      |      |      | 5,289 |  |

(c) **Vital Statistics.**

Population 38,870

| <i>Live Births—</i>                                |      |      |      | Males | Females | Total |
|--|------|------|------|-------|---------|-------|
| Total  | .... | .... | .... | 299   | 317     | 616   |
| Legitimate   | .... | .... | .... | 291   | 303     | 594   |
| Illegitimate                                       | .... | .... | .... | 8     | 14      | 22    |
| Birth Rate   | .... | .... | .... | ....  | ....    | 15·5  |
| Comparability Factor                               | .... | .... | .... | ....  | ....    | 0·93  |
| Standardised Birth Rate                            | .... | .... | .... | ....  | ....    | 14·42 |
| Illegitimate Live Births per 100 total live births |      |      |      |       |         | 3·6   |

| <i>Still-births—</i>                                |      |      |      | Males | Females | Total |
|---|------|------|------|-------|---------|-------|
| Total   | .... | .... | .... | 5     | 5       | 10    |
| Legitimate  | .... | .... | .... | 5     | 5       | 10    |
| Illegitimate  | .... | .... | .... | —     | —       | —     |
| Rate per 1,000 total live and still-births....      |      |      |      |       |         | 15·9  |
| Rate per 1,000 of the Estimated Resident Population |      |      |      |       |         | 0·26  |
| Total Live and Still-births                         |      |      |      |       |         | 626   |



| <i>Deaths—</i>          |      |      |      | Males | Females | Total |
|-------------------------|------|------|------|-------|---------|-------|
| All Causes              | .... | .... | .... | 200   | 180     | 380   |
| Death Rate              | .... | .... | .... | ....  | ....    | 9·8   |
| Comparability Factor    | .... | .... | .... | ....  | ....    | 1·49  |
| Standardised Death Rate | .... | .... | .... | ....  | ....    | 14·6  |
| Maternal Death Rate     | .... | .... | .... | ....  | ....    | Nil   |

### INFANT MORTALITY.

#### *Deaths of Infants under one year of age—*

|              |      |      |      | Males | Females | Total |
|--------------|------|------|------|-------|---------|-------|
| Total        | .... | .... | .... | 7     | 4       | 11    |
| Legitimate   | .... | .... | .... | 7     | 3       | 10    |
| Illegitimate | .... | .... | .... | —     | 1       | 1     |

#### *Causes of Death of Infants under one year of age—*

|              |      |      |      |      |      |   |
|--------------|------|------|------|------|------|---|
| Congenital   | .... | .... | .... | .... | .... | 5 |
| Prematurity  | .... | .... | .... | .... | .... | 4 |
| Infection    | .... | .... | .... | .... | .... | 1 |
| Other Causes | .... | .... | .... | .... | .... | 1 |

TOTAL .... 11

|  |      |      |      |      |
|--|------|------|------|------|
| <i>Infant Mortality (per 1,000 live births)</i>                      | .... | .... | .... | 17·9 |
| <i>Legitimate infant deaths per 1,000 legitimate live births</i>     | .... | .... | .... | 16·8 |
| <i>Illegitimate infant deaths per 1,000 illegitimate live births</i> | .... | .... | .... | 45·5 |

#### *Deaths of Infants under four weeks of age—*

|              |      |      |      | Males | Females | Total |
|--------------|------|------|------|-------|---------|-------|
| Total        | .... | .... | .... | 4     | 4       | 8     |
| Legitimate   | .... | .... | ..   | 4     | 3       | 7     |
| Illegitimate | .... | .... | .    | —     | 1       | 1     |

*Neonatal Mortality* .... Nil

#### *Causes of Death of Infants under four weeks of age—*

|              |      |      |      |      |      |   |
|--------------|------|------|------|------|------|---|
| Congenital   | .... | .... | .... | .... | .... | 4 |
| Prematurity  | .... | .... | .... | .... | .... | 3 |
| Infection    | ..   | .... | .... | .... | .... | — |
| Other Causes | .... | .... | .... | .... | .... | 1 |

TOTAL .... 8

#### *Deaths of Infants under one week of age—*

|              |      |      |      | Males | Females | Total |
|--------------|------|------|------|-------|---------|-------|
| Total        | .... | .... | .... | 3     | 3       | 6     |
| Legitimate   | .... | .... | .... | 3     | 3       | 6     |
| Illegitimate | .... | .... | .... | —     | —       | —     |

*Early Neonatal Mortality Rate (deaths under one week per 1,000 total live births)* .... 9·7

*Perinatal Mortality Rate (still-births and deaths under one week combined per 1,000 total live and still-births)* .... 35·1

*Maternal Mortality (including abortion)* .... Nil

### Principal Causes of Death.

| DISEASE                                 | Males | Females | Total | Percentage of Total Deaths |      |
|---|-------|---------|-------|----------------------------|------|
|   |       |         |       | 1967                       | 1966 |
| Heart Disease ....                      | 66    | 66      | 132   | 34·7                       | 33·8 |
| Vascular Lesions of Nervous System .... | 28    | 28      | 56    | 14·7                       | 14·6 |
| Cancer (all types) ....                 | 44    | 29      | 73    | 19·2                       | 20·7 |
| Respiratory (all types) ....            | 24    | 14      | 38    | 10·0                       | 12·2 |
|   | 162   | 137     | 299   | 78·6                       | 81·3 |

### Comparative Rates, 1967.

#### Felling Urban District and England and Wales.

|                              | Felling | England and Wales |
|------------------------------|---------|-------------------|
| Standardised Birth Rate .... | 14·2    | 17·2              |
| Standardised Death Rate .... | 14·6    | 11·2              |
| Infant Mortality Rate ....   | 17·9    | 18·3              |
| Still-birth Rate ....        | 15·9    | 14·8              |

## MORBIDITY STATISTICS

### NEW CLAIMS TO SICKNESS BENEFIT, 1967

| Week Ending—    |         | Week Ending—    |         |
|-----------------|---------|-----------------|---------|
| January 3rd.... | ....148 | July 4th ....   | ....143 |
| „ 10th....      | ....348 | „ 11th ....     | ....165 |
| „ 17th....      | ....241 | „ 18th ....     | ....123 |
| „ 24th....      | ....227 | „ 25th ....     | ....157 |
| „ 31st....      | ....227 |                 | — 588   |
|                 | — 1,191 | August 1st .... | ....139 |
| February 7th    | ....208 | „ 8th ....      | ....149 |
| „ 14th          | ....212 | „ 15th ....     | ....154 |
| „ 21st          | ....220 | „ 22nd....      | ....163 |
| „ 28th          | ....231 | „ 29th ....     | ....132 |
|                 | — 871   |                 | — 737   |
| March 7th ....  | ....197 | September 5th   | ....168 |
| „ 14th ....     | ....172 | „ 12th          | ....175 |
| „ 21st ....     | ....182 | „ 19th          | ....197 |
| „ 28th ....     | ....127 | „ 26th          | ....192 |
|                 | — 678   |                 | — 732   |
| April 4th ....  | ....206 | October 3rd     | ....207 |
| „ 11th ....     | ....176 | „ 10th          | ....239 |
| „ 18th ....     | ....175 | „ 17th          | ....201 |
| „ 25th ....     | ....161 | „ 24th          | ....190 |
|                 | — 718   | „ 31st          | ....203 |
|                 |         |                 | — 1,040 |
| May 2nd ....    | ....175 | November 7th    | ....232 |
| „ 9th ....      | ....175 | „ 14th          | ....222 |
| „ 16th ....     | ....171 | „ 21st          | ....213 |
| „ 23rd ....     | ....183 | „ 28th          | ....208 |
| „ 30th ....     | ....157 |                 | — 875   |
|                 | — 861   |                 |         |
| June 6th ....   | ....158 | December 5th    | ....213 |
| „ 13th ....     | ....168 | „ 12th          | ....175 |
| „ 20th ....     | ....172 | „ 19th          | ....167 |
| „ 27th ....     | ....148 | „ 26th          | ....172 |
|                 | — 646   |                 | — 727   |

## Causes of Death in Felling Urban District, 1967.

|   | Males      | Females    | Total      | Per cent<br>Total<br>Deaths |
|---|------------|------------|------------|-----------------------------|
| Syphilitic Disease                      | 1          | —          | 1          | 0·3                         |
| Meningococcal Infections                | —          | 1          | 1          | 0·3                         |
| Other Infective and Parasitic Diseases  | 1          | —          | 1          | 0·3                         |
| Malignant Neoplasm—Stomach              | 10         | 3          | 13         | 3·4                         |
| „ „ Lung, Bronchus                      | 24         | 6          | 30         | 7·9                         |
| „ „ Breast                              | —          | 5          | 5          | 1·3                         |
| Other Malignant and Lymphatic Neoplasms | 20         | 15         | 35         | 9·2                         |
| Diabetes                                | 1          | 2          | 3          | 0·8                         |
| Vascular Lesions of Nervous System      | 28         | 28         | 56         | 14·6                        |
| Coronary Disease, Angina                | 50         | 38         | 88         | 23·2                        |
| Hypertension with Heart Disease         | —          | 4          | 4          | 1·1                         |
| Other Heart Diseases                    | 16         | 24         | 40         | 10·5                        |
| Other Circulatory Diseases              | 2          | 4          | 6          | 1·6                         |
| Influenza                               | —          | 1          | 1          | 0·3                         |
| Pneumonia                               | 5          | 6          | 11         | 2·9                         |
| Bronchitis                              | 17         | 6          | 23         | 6·1                         |
| Other Diseases of Respiratory System    | 2          | 1          | 3          | 0·8                         |
| Gastritis, Enteritis and Diarrhoea      | 1          | —          | 1          | 0·3                         |
| Nephritis and Nephrosis                 | 1          | —          | 1          | 0·3                         |
| Congenital Malformations                | 3          | 3          | 6          | 1·6                         |
| Other Defined and Ill-defined Diseases  | 8          | 23         | 31         | 8·0                         |
| Motor Vehicle Accidents                 | 5          | 4          | 9          | 2·3                         |
| All other Accidents                     | 2          | 4          | 6          | 1·6                         |
| Suicide                                 | 3          | 2          | 5          | 1·3                         |
| <b>TOTAL (ALL CAUSES)</b>               | <b>200</b> | <b>180</b> | <b>380</b> | <b>100·0</b>                |

Principal Vital Statistics for Previous Years

|  | 1967   | 1966   | 1965   | 1964   | 1963   | 1962   | 1961   | 1960   | 1959   | 1958   | 1957   |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Population .... ..   | 38,870 | 38,780 | 38,710 | 38,660 | 38,090 | 37,100 | 36,130 | 32,650 | 31,500 | 29,980 | 28,540 |
| Birth Rate (per 1,000 Population)                                    | 15.5   | 16.1   | 17.9   | 18.7   | 19.7   | 21.4   | 20.9   | 21.7   | 20.8   | 21.1   | 20.0   |
| Death Rate (per 1,000 Population).... ..                             | 9.8    | 9.7    | 10.3   | 9.8    | 9.9    | 9.9    | 10.5   | 11.0   | 10.8   | 10.4   | 10.5   |
| Infant Mortality Rate (per 1,000 Live Births) .... ..                | 17.9   | 20.8   | 26.01  | 20.8   | 22.7   | 24.0   | 26.5   | 25.4   | 38.1   | 12.6   | 28.0   |
| Still-birth Rate (per 1,000 Live and Still-births) .... ..           | 15.9   | 20.4   | 22.6   | 16.3   | 26.0   | 29.4   | 25.8   | 34.0   | 23.8   | 29.1   | 13.3   |
| Maternal Mortality Rate (per 1,000 Live and Still-births)            | Nil    | Nil    | Nil    | Nil    | Nil    | Nil    | Nil    | Nil    | Nil    | Nil    | Nil    |
| Pulmonary Tuberculosis Case Incidence (per 1,000 Population) .... .. | 0.44   | 0.52   | 0.49   | 0.88   | 0.81   | 1.02   | 0.6    | 0.86   | 0.82   | 1.0    | 1.47   |
| Pulmonary Tuberculosis Death Rate (per 1,000 Population).... ..      | Nil    | 0.03   | 0.03   | 0.08   | 0.11   | 0.03   | 0.03   | 0.09   | 0.06   | 0.23   | 0.11   |



SECTION “ B.”

## General Provisions of Health Services in the Area

---

(a) **Public Health Services.**

(1) *Staff.*

(a) FELLING U.D.C.—

Medical Officer of Health—

H. C. WEIR, M.A., M.B., B.Ch., B.A.O., D.P.H.,  
M.R.S.H., F.R.I.P.H.H.

Chief Public Health Inspector and Cleansing Supt.—

J. WEAR, M.R.S.H., M.A.P.H.I., M.R.I.P.H.H., Cert.  
Inspector Meat and Foods.

Deputy Chief Public Health Inspector and Deputy  
Cleansing Supt.—

T. GRAHAM, M.A.P.H.I., Cert. Inspector Meat and  
Foods.

Additional Public Health Inspectors—

P. L. McCONVILLE, M.A.P.H.I., Cert. Inspector  
Meat and Foods. (Appointed 8th March, 1967.)

J. T. ROBERTS, M.A.P.H.I., Diploma of the Public  
Health Inspectors' Education Board.

Clerk—

Mrs. M. S. CAIRNS.

Pupil Public Health Inspectors—

R. D. FOSTER.

J. YOUNG. (Appointed 28th March, 1967.)

Rodent Operator—

A. LUMSDEN.

Cleansing Foreman—

A. E. NICHOLSON.

(b) DURHAM COUNTY COUNCIL—

Assistant Medical Officers—

Maternity and Child Welfare—

Dr. H. W. TONGE, M.B., Ch.B.

School Health—

Dr. D. FIELD, M.B., Ch.B., M.R.C.S., L.R.C.P.  
(Resigned August, 1967.)

Health Visitors—

Miss E. A. DOBING, S.R.N., S.C.M., H.V. Cert.

Mrs. M. KELLY, S.R.N., S.C.M., H.V. Cert.

Miss M. HAMILTON, S.R.N., S.C.M., H.V. Cert.

Mrs. A. CHANDRA, S.R.N., S.C.M., H.V. Cert.

District Nurses—

Mrs. C. M. BAILEY, S.R.N., 63, Manor Gardens,  
Wardley. Tel. No. 692646.

Mrs. J. BELL, S.R.N., 28, Wesley Court, Wellington  
Street, Felling. Tel. No. 692395.

Mrs. K. REAVEY, S.R.N., 113, St. Cuthbert's Drive.  
Tel. No. 693040.

Midwives—

Miss M. R. EMERSON, S.C.M., The Poplars, Heworth.  
Tel. No. 692365.

Miss B. G. H. HOLDSWORTH, S.C.M., 66, The Drive,  
Felling. Tel. No. 692307.

Mrs. S. MCKENNA, S.R.N., S.C.M., 41, Belgrave  
Terrace, Felling. Tel. No. 692496.

Miss J. SMITH, S.R.N., S.C.M., 20, Millford Court,  
Leam Lane Estate, Felling. Tel. No. 692878.

Mrs. A. McNALLY, S.R.N., S.C.M., 2, Ridgeway,  
Leam Lane Estate, Felling. Tel. No. 693064.

Home Help Organiser (Felling)—

Miss M. SLATER, 10, Eppleton Estate, Hetton-le-Hole,  
Co. Durham.

Mental Welfare Officer—

W. SMALLWOOD, 2, Thorne Avenue, Wardley, Gates-  
head, 10. Tel. No. 692542.

(2) *Laboratory Services.*

The following are particulars of specimens submitted to the Health Laboratory, Newcastle, for examination:—

FAECES—

|                        |      |      |      |      |           |
|------------------------|------|------|------|------|-----------|
| Shigella Sonnei        | .... | .... | .... | .... | 9         |
| Salmonella Typhimurium | .... | .... | .... | .... | 3         |
| Negative               | .... | .... | .... | .... | 32        |
|                        |      |      |      |      | —         |
| Total                  | .... | .... | .... | .... | 44        |
|                        |      |      |      |      | <u>44</u> |

SPUTUM—

|                   |      |      |      |      |           |
|-------------------|------|------|------|------|-----------|
| Acid Fast Bacilli | .... | .... | .... | .... | 10        |
|                   |      |      |      |      | —         |
| Total             | .... | .... | .... | .... | 10        |
|                   |      |      |      |      | <u>10</u> |

(3) *National Assistance Act, 1948.*

SECTION 47.—Removal to suitable premises of persons in need of care and attention.

A number of cases were visited by the Medical Officer of Health during the year and, where necessary, admission to hospital or hostel was arranged or the service of a home help provided. At the end of the year 18 persons were on the waiting list for hostel accommodation.

SECTION 50.—Burial or Cremation of the Dead.

No action was required during 1967.

(4) *Sewage Disposal Works.*

The works, which were opened in 1955, deal with the major portion of sewage from the Leam Lane Estate, also Wrekenton and Beacon Lough areas.

Extensions were carried out in 1959, and they are at present capable of treating sewage from a population of 16,000 to the standard of purity set by the River Authority.

Extensions are now completed which will enable successful treatment to be applied to sewage from a population of 19,000.

These extensions included:

- (1) A Mechanically Raked Screen
- (2) Storm-water Tanks
- (3) Heated Digestion System
- (4) Sludge Drying Beds

Their main purposes are the easement of sludge drying and odour problems, and the treatment of excessive storm-water.

The works are at present treating sewage from a population of approximately 17,500. Effluents have generally been within Royal Commission standard, though minor variations have occurred.

Sludge treated during the year has amounted to 1,500,000 gallons at 95 per cent. moisture content.

Research work continues on the pilot filters of the Public Health Engineering Section of the Department of Civil Engineering, University of Newcastle.

The following table shows the operating results for the year measured at the works. In addition, from time to time, samples of the final effluent are examined by the Pollution Prevention Department of the Northumberland and Tyneside River Board ; these results have always been satisfactory.

| 1967         |      | Average Daily<br>Flow<br>(Gallons) |       | Rainfall<br>(Inches) |       | Four Hour<br>Permanganate<br>Value |
|--------------|------|------------------------------------|-------|----------------------|-------|------------------------------------|
| January .... | .... | 490,000                            | ..... | 1.22                 | ..... | 14.9                               |
| February     | .... | 555,000                            | ..... | 1.71                 | ..... | 15.2                               |
| March ....   | .... | 444,000                            | ..... | 0.90                 | ..... | 15.0                               |
| April ....   | .... | 495,000                            | ..... | 1.15                 | ..... | 20.6                               |
| May ....     | .... | 613,000                            | ..... | 3.51                 | ..... | 21.5                               |
| June ....    | .... | 505,000                            | ..... | 1.38                 | ..... | 18.6                               |
| July ....    | .... | 505,000                            | ..... | 2.52                 | ..... | 17.9                               |
| August ....  | .... | 507,000                            | ..... | 2.81                 | ..... | 15.4                               |
| September    | .... | 324,000                            | ..... | 1.59                 | ..... | 14.6                               |
| October .... | .... | 527,000                            | ..... | 2.86                 | ..... | 14.7                               |
| November     | .... | 650,000                            | ..... | 3.68                 | ..... | 13.9                               |
| December     | .... | 455,000                            | ..... | 1.26                 | ..... | 14.1                               |

#### (5) *Health Education.*

Talks on health matters have been given to various organisations. Posters on Health Education topics have been displayed in factories, canteens, and public halls.



**(b) National Health Service Act, 1946—Part III.**

The following personal health services are provided by Durham County Council and are administered through No. 2 Area Health Sub-Committee, on which the Urban District is represented by five members.

**CARE OF MOTHERS AND YOUNG CHILDREN—SECTION 22.**

*Clinics—*

- (1) St. Alban's Villa, Crowhall Lane.
- (2) 111, Meresyde, Leam Lane Estate.

*Ante-Natal Clinic.*

Sessions : Thursday, except last in month, at St. Alban's Villa, Crowhall Lane.

The following figures show the number of expectant mothers who attended the clinics, and the number of visits which these mothers paid to the clinics during the year :—

|                   |      |      |      |     |
|-------------------|------|------|------|-----|
| Number of Mothers | .... | .... | .... | 96  |
| Attendances       | .... | .... | .... | 222 |

*Post-Natal Clinic.*

Sessions: Last Thursday afternoon each month at St. Alban's Villa.

Seventeen mothers attended the clinic on one or more occasions.

*Birth Control.*

Sessions: Last Thursday afternoon each month at St. Alban's Villa.

Advice was given to 70 patients and the number of attendances during the year was 163.

*Child Welfare.*

Sessions: Alternate Mondays at St. Alban's Villa.

Wednesday morning at St. Alban's Villa.

Thursday morning at St. Alban's Villa.

Friday all day at Meresyde, Leam Lane Estate.

The following table shows the number of infants and toddlers who attended the clinic, and the number of visits these children made to the clinic throughout the year :—

|                   | NO. OF CHILDREN |           |           | ATTENDANCES  |           |           |
|-------------------|-----------------|-----------|-----------|--------------|-----------|-----------|
|                   | Under 1 year    | 1-2 years | 2-5 years | Under 1 year | 1-2 years | 2-5 years |
| Meresyde ....     | 167             | 163       | 249       | 1,603        | 547       | 401       |
| St. Alban's Villa | 192             | 192       | 351       | 1,637        | 550       | 526       |



*Distribution of Welfare Foods.*

|                     |      |      |      |       |
|---------------------|------|------|------|-------|
| National Dried Milk | .... | .... | .... | 8,179 |
| Cod Liver Oil       | .... | .... | .... | 509   |
| Vitamin Tablets     | .... | .... | .... | 284   |
| Orange Juice        | .... | .... | .... | 4,556 |

*Artificial Sunlight Clinic.*

Sessions: Wednesday afternoon at St. Alban's Villa.

Fifty-seven mothers and children attended the clinic during the year. The total number of attendances during the year was 630.

MIDWIFERY—SECTION 23.

There are five County Midwives in Felling. During the year they attended 190 cases. 30 per cent. expectant mothers had their babies at home.

| Doctor                      | Booked | Not Booked | Analgesia   |           |         |
|-----------------------------|--------|------------|-------------|-----------|---------|
|                             |        |            | Gas and Air | Pethidine | Trilene |
| Present at delivery ....    | 88     | 2          | 31          | 65        | 7       |
| Not present at delivery.... | 99     | 1          | 53          | 89        | —       |
| TOTAL ....                  | 187    | 3          | 84          | 154       | 7       |

HEALTH VISITING—SECTION 24.

Four Health Visitors serve the Urban District. The following domiciliary visits were paid during 1967 :—

|                             |      |      |              |
|-----------------------------|------|------|--------------|
| Maternity and Child Welfare | .... | .... | 6,165        |
| Tuberculosis....            | .... | .... | 283          |
| General Health              | .... | .... | 63           |
| Mental Deficiency           | .... | .... | 72           |
| Schools                     | .... | .... | 241          |
| Aged People....             | .... | .... | 160          |
| TOTAL                       | .... | .... | <u>6,984</u> |

The percentage of ineffective visits made was 16·27.

# HOME NURSING—SECTION 25.

Number of Whole-time Nurses : 7.

| Number of Patients—    |      |      |      |      | Cases | Visits |
|------------------------|------|------|------|------|-------|--------|
| Medical                | .... | .... | .... | .... | 287   | 10,098 |
| Surgical               | .... | .... | .... | .... | 100   | 2,896  |
| Tuberculosis           | .... | .... | .... | .... | 7     | 487    |
| Maternal Complications | .... | .... | .... | .... | 1     | 3      |
| Infectious Diseases    | .... | .... | .... | .... | —     | —      |
| Others                 | .... | .... | .... | .... | —     | —      |
| TOTAL                  |      |      |      |      | 395   | 13,484 |

# VACCINATION AND IMMUNISATION—SECTION 26.

The following tables give the number of children vaccinated and immunised at clinics and by General Practitioners in the Urban District:—

|            |       |                           |      |      |      |      |                       |       |
|------------|-------|---------------------------|------|------|------|------|-----------------------|-------|
| Diphtheria | ..... | COMPLETED PRIMARY COURSES |      |      |      |      |                       |       |
|            |       | Year of Birth             |      |      |      |      | Others<br>under<br>16 | TOTAL |
|            |       | 1967                      | 1966 | 1965 | 1964 | 1963 |                       |       |
|            |       | 188                       | 246  | 24   | 12   | 190  | 3                     | 663   |
|            |       | REINFORCING DOSES         |      |      |      |      |                       |       |
|            |       | Year of Birth             |      |      |      |      | Others<br>under<br>16 | TOTAL |
|            | 1966  | 1965                      | 1964 | 1963 |      |      |                       |       |
|            | 56    | 163                       | 18   | 523  | 17   | 777  |                       |       |

Whooping  
Cough ....

| COMPLETED PRIMARY COURSES |      |      |      |      |                       |       |
|---------------------------|------|------|------|------|-----------------------|-------|
| Year of Birth             |      |      |      |      | Others<br>under<br>16 | TOTAL |
| 1967                      | 1966 | 1965 | 1964 | 1963 |                       |       |
| 186                       | 242  | 22   | 10   | 7    | —                     | 467   |
| REINFORCING DOSES         |      |      |      |      |                       |       |
| Year of Birth             |      |      |      |      | Others<br>under<br>16 | TOTAL |
|                           | 1966 | 1965 | 1964 | 1963 |                       |       |
|                           | 55   | 150  | 14   | 61   | 5                     | 285   |

|         |      |                           |      |      |      |      |                       |
|---------|------|---------------------------|------|------|------|------|-----------------------|
| Tetanus | .... | COMPLETED PRIMARY COURSES |      |      |      |      |                       |
|         |      | Year of Birth             |      |      |      |      | Others<br>under<br>16 |
|         |      | 1967                      | 1966 | 1965 | 1964 | 1963 |                       |
|         |      | 188                       | 246  | 24   | 12   | 191  | 14                    |
|         |      | 675                       |      |      |      |      |                       |
|         |      | REINFORCING DOSES         |      |      |      |      |                       |
|         |      | Year of Birth             |      |      |      |      | Others<br>under<br>16 |
|         |      |                           | 1966 | 1965 | 1964 | 1963 |                       |
|         |      |                           | 56   | 163  | 18   | 513  | 20                    |
|         |      |                           | 770  |      |      |      |                       |

Smallpox.

### PRIMARY VACCINATION

| Up to 3 months | 3-6 months | 6-9 months | 9-12 months | 1 year | 2-4 years | 5-15 years | 16+ | TOTAL |
|----------------|------------|------------|-------------|--------|-----------|------------|-----|-------|
| —              | 5          | 1          | 18          | 233    | 56        | 14         | —   | 327   |

### RE-VACCINATION

| 2-4 years | 5-15 years | 16+ | TOTAL |
|-----------|------------|-----|-------|
| 1         | 4          | —   | 5     |

### *Immunisation against Poliomyelitis.*

The following table gives particulars of those immunised during the course of the year :—

|                           | FULL COURSE ORAL | BOOSTERS |
|---------------------------|------------------|----------|
| Children born 1967 ....   | 61               | ....     |
| Children born 1966 ....   | 264              | ....     |
| Children born 1965 ....   | 55               | ....     |
| Children born 1964 ....   | 19               | ....     |
| Children born 1963 ....   | 11               | ....     |
| Children born 1959-62.... | 17               | 187      |
| Adults .... ....          | 74               | 88       |
| Total .... ....           | 501              | 275      |

*Details of Poliomyelitis and Diphtheria Immunisation carried out in Infant Schools, 1967.*

| Full Course<br>Diphtheria and<br>Tetanus | Booster<br>Diphtheria and<br>Tetanus | Booster<br>Diphtheria | Full Course<br>Oral Polio | Booster<br>Polio |
|--|--------------------------------------|-----------------------|---------------------------|------------------|
| 172                                      | 270                                  | 11                    | 148                       | 334              |

*B.C.G. Vaccination against Tuberculosis.*

This was offered to Senior Pupils in certain schools in the district; the following table summarises the results:—

| Consents | Given Skin<br>Tests | Positive<br>Reactors | Negative<br>Reactors<br>Given B.C.G. | Absent |
|----------|---------------------|----------------------|--------------------------------------|--------|
|          | No. Per cent        | No. Per cent         | No. Per cent                         |        |
| 538      | 508 94·40           | 85 16·70             | 378 74·40                            | 45     |

General Practitioners were advised of all results and positive reactors were referred for further investigation as required.

AMBULANCE SERVICE—SECTION 27.

The Urban District is served by the Hebburn Depot at Ushaw Road.

All calls are received by the Co-ordinating Control, near Durham. Telephone: Durham 3426.

The Hebburn Depot serves the population in the Borough of Jarrow, the Urban Districts of Felling, Hebburn, Boldon, and Washington, and part of Sunderland Rural District.

The present population is approximately 136,000 persons, of which about two-thirds live on the river side in Jarrow, Hebburn, and Felling.

The following table gives a summary of the year's work :—  
*Hebburn Depot.*

| Journeys | PERSONS CARRIED |         |        | Mileage |
|----------|-----------------|---------|--------|---------|
|          | Stretcher       | Sitting | Total  |         |
| 9,403    | 4,405           | 33,049  | 37,454 | 195,331 |

|                      |      |      |      |    |
|----------------------|------|------|------|----|
| Number of Ambulances | .... | .... | .... | 10 |
| Number of Drivers    | .... | .... | .... | 27 |
| Depot Superintendent | .... | .... | .... | 1  |



## PREVENTION OF ILLNESS, CARE AND AFTER-CARE—SECTION 28.

Cases discharged from hospital and requiring after-care are treated by the Home Nurses or supervised and advised by the Health Visitors. Sickroom equipment, such as urine bottles, bed pans, bed rests, air cushions, mattresses, and rubber sheeting can be had on loan. During the year 368 persons received loaned equipment.

### DOMESTIC HELP SERVICE—SECTION 29

|   |      |      |      |            |
|---|------|------|------|------------|
| Number of Home Helps employed                   | .... | .... | .... | 95         |
| Number of Cases attended at 1st January, 1967   | .... |      |      | 191        |
| Number of New Cases provided with Home Helps    | .... |      |      | 91         |
| Number of Cases attended at 31st December, 1967 | .... |      |      | 198        |
| Types of Cases served—                          |      |      |      |            |
| Old-age Pensioners                              | .... | .... | .... | 275        |
| Sickness  | .... | .... | .... | 4          |
| Tuberculosis                                    | .... | .... | .... | 1          |
| Maternity                                       | .... | .... | .... | 2          |
| TOTAL   | .... | .... | .... | <u>282</u> |

### (c) Hospital Services.

The local hospital services are administered by the Gateshead and District Hospital Management Committee on behalf of the Newcastle Regional Hospital Board. There are no hospitals in the Urban District. The following hospitals serve the district :—

| Hospital                       | Type                   |
|--------------------------------|------------------------|
| QUEEN ELIZABETH                | General and Maternity. |
| CHILDREN'S HOSPITAL, GATESHEAD | Children.              |
| BENSHAM                        | Chronic Sick.          |
| SHERIFF HILL                   | Infectious Diseases.   |

### *Chest Clinic at Whinney House Hospital—*

|           |   |
|-----------|---|
| New Cases | Monday to Friday, 9 to 11 a.m.  |
| Old Cases | Monday to Thursday, 2 to 4 p.m.<br>Alternate Wednesdays, 5.30 to 6 p.m. |
| Children  | Monday, 2 to 4 p.m.   |

### *Mass Radiography.*

The static X-ray Unit at Greenesfield House, Mulgrave Terrace, Gateshead, holds the following public sessions which are available to all adults :—

|           |                                   |
|-----------|-----------------------------------|
| Monday    | 2 to 4.30 p.m. and 5.30 to 7 p.m. |
| Tuesday   | 2 to 4.30 p.m.                    |
| Wednesday | 2 to 4.30 p.m.                    |
| Thursday  | 2 to 4.30 p.m. and 5.30 to 7 p.m. |
| Friday    | 2 to 4.30 p.m.                    |



During the year the Urban District was visited by the Mass X-ray Unit 1A from Newcastle General Hospital.

|                           |      |             |               |              |
|---------------------------|------|-------------|---------------|--------------|
| <i>Industrial—</i>        |      | <i>Male</i> | <i>Female</i> | <i>Total</i> |
| Number X-rayed            | .... | 486         | 61            | 547          |
| Referred to Chest Clinics |      | 16          | 3             | 19           |
| <i>Public Sessions—</i>   |      |             |               |              |
| Number X-rayed            | .... | 45          | 52            | 97           |
| Referred to Chest Clinics |      | 1           | 1             | 2            |

No cases of Cancer were discovered and three cases of Tuberculosis were referred for investigation.

*Venereal Diseases Clinics.*

Patients within the area who have been attending the clinics at South Shields and Newcastle :—

| CLINIC         | Syphilis |         | Gonorrhœa |         | Non-Venereal |         |
|----------------|----------|---------|-----------|---------|--------------|---------|
|                | Males    | Females | Males     | Females | Males        | Females |
| Newcastle .... | 2        | —       | 7         | 3       | 30           | 1       |
| South Shields  | —        | —       | 1         | —       | 2            | 1       |
| Sunderland.... | —        | —       | —         | —       | —            | —       |

*Blood Transfusion.*

The area is served by the Unit stationed in Newcastle. Sessions for donating blood are arranged at regular intervals.

FELLING.—Mr. G. Tait Hunter, Regional Organiser, has kindly supplied details of donor panels and sessions held in Felling during the year :—

|                                       |      |      |     |
|---------------------------------------|------|------|-----|
| Panel Strength at 31st December, 1967 | .... | .... | 550 |
| „ „ 31st December, 1966               | .... | .... | 530 |
| New Donors bled 1967                  | .... | .... | 60  |
| „ „ „ 1966                            | .... | .... | 52  |

Donors attending 1967—

|                |      |      |      |      |      |       |
|----------------|------|------|------|------|------|-------|
| 24th February  | .... | .... | .... | .... | .... | 85    |
| 31st March     | .... | .... | .... | .... | .... | 108   |
| 26th May       | .... | .... | .... | .... | .... | 97    |
| 1st August     | .... | .... | .... | .... | .... | 93    |
| 8th September  | .... | .... | .... | .... | .... | 83    |
| 15th September | .... | .... | .... | .... | .... | 122   |
| 7th December   | .... | .... | .... | .... | .... | 87    |
|                |      |      |      |      |      | <hr/> |
|                |      |      |      |      |      | 675   |
|                |      |      |      |      |      | <hr/> |

In addition to the above general public sessions, the Service has received excellent support from the Co-operative Wholesale Society Ltd., Pelaw, and International Paints.

**(d) Executive Council.**

There are 16 General Practitioners in seven practices with surgeries in the Urban District; in addition, a number of Practitioners from adjoining authorities have patients in the district.

**(e) Mental Health.**

MENTAL HEALTH ACT, 1959.

Mentally Ill—

|   |      |      |      |       |
|---|------|------|------|-------|
| Formal and Informal Admissions arranged by<br>Mental Welfare Officers | .... | .... | .... | 69    |
|   |      |      |      | <hr/> |

Mental Sub-normality—

|                       |      |      |      |       |
|-----------------------|------|------|------|-------|
| (1) Under Supervision | .... | .... | .... | 70    |
| (2) In Hospitals      | .... | .... | .... | 34    |
|                       |      |      |      | <hr/> |
|                       |      |      |      | 104   |
|                       |      |      |      | <hr/> |

Children notified during the year as—

|  |      |      |      |      |      |       |
|--|------|------|------|------|------|-------|
| (1) Ineducable                                 | .... | .... | .... | .... | .... | 3     |
| (2) Requiring Supervision after leaving School |      |      |      |      |      | 3     |
|  |      |      |      |      |      | <hr/> |
|  |      |      |      |      |      | 6     |

## SECTION “ C ”

# Report of the Medical Officer of Health on the Prevalence and Control of Infectious and other Diseases

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The number of cases of infectious diseases notified during the year was 367, compared with 543 during the previous year. This decrease was almost entirely accounted for by the substantial drop in Measles notifications. Notification of Respiratory Tuberculosis was down with 17 cases notified, compared with 20 in the previous year. The number of other infectious diseases notified continued at a satisfactory low level.

### *Measles.*

The usual biennial epidemic pattern was maintained and, as expected, there was a substantial decrease in the number of cases notified, there being 302 cases, compared with 459 cases during the previous year. The cases occurring in 1967 were spread fairly regularly over the months of January to May when they almost ceased.

### *Whooping Cough.*

There was only a slight increase in the number of cases notified, there being 27 cases, compared with 24 during the previous year. There can be no doubt of the value of immunisation which, although it does not give complete protection, ensures that cases occurring amongst immunised children will be considerably modified and of a mild character.

### *Dysentery.*

I am pleased to be able to report that there were only seven cases of this disease notified during the year by General Practitioners.

### *Food Poisoning.*

There were no cases of this disease during the year.

### *Poliomyelitis.*

There were no cases of this disease during the year, but even so I should like to express my concern that the total number of children immunised is not as high as one would like, also there are still quite a number of young adults who are not immune. The immunisation is now done by drops of the vaccine on a lump of sugar or direct on to the tongue, and takes only a matter of seconds. No injections are now given. There are so many people now who have never seen the crippling effect of this disease that they are not aware of its paralysing and killing propensity, a case of out of sight, out of mind, so I would beg the community to come forward and see that they are 100 per cent. immune.

### *Tuberculosis.*

Pulmonary Tuberculosis is still with us in Felling, and we had 17 new cases in 1967, compared with 20 during the previous year. The incidence rate, however, remained as last year at 0.10, and I am glad to report that there were no deaths reported from this condition for the first time on record in the Urban District of Felling.



### Tuberculosis—New Cases and Mortality for 1967.

| AGE PERIODS    | NEW CASES   |      |                 |      | DEATHS      |      |                 |      |
|----------------|-------------|------|-----------------|------|-------------|------|-----------------|------|
|                | Respiratory |      | Non-Respiratory |      | Respiratory |      | Non-Respiratory |      |
|                | M.          | F.   | M.              | F.   | M.          | F.   | M.              | F.   |
| 0— 1           | ....        | .... | ....            | .... | ....        | .... | ....            | .... |
| 1— 5           | ....        | 1    | ....            | 1    | ....        | .... | ....            | .... |
| 5—15           | ....        | 1    | ....            | 1    | ....        | .... | ....            | .... |
| 15—25          | ....        | 1    | ....            | 1    | ....        | .... | ....            | .... |
| 25—35          | ....        | 1    | ....            | .... | ....        | .... | ....            | .... |
| 35—45          | ....        | 1    | ....            | 1    | ....        | .... | ....            | .... |
| 45—55          | ....        | 1    | ....            | .... | ....        | .... | ....            | .... |
| 55—65          | ....        | 1    | ....            | .... | ....        | .... | ....            | .... |
| 65 and upwards | ....        | 1    | ....            | .... | ....        | .... | ....            | .... |
| Totals         | 9           | 8    | ....            | 4    | ....        | .... | ....            | .... |

### Tuberculosis—Incidence and Death Rate, 1944–67.

| Year | Population | CASES P.T.B. NOTIFIED |        | CASES N.P.T.B. NOTIFIED |        | Incidence Rate per 1,000 Population |               | Death Rate per 1,000 Population |               |
|------|------------|-----------------------|--------|-------------------------|--------|-------------------------------------|---------------|---------------------------------|---------------|
|      |            | Cases                 | Deaths | Cases                   | Deaths | Pulmonary                           | Non-Pulmonary | Pulmonary                       | Non-Pulmonary |
| 1944 | 24,460     | 19                    | 11     | 7                       | 2      | 0.78                                | 0.21          | 0.45                            | 0.08          |
| 1945 | 24,500     | 24                    | 23     | 10                      | 7      | 0.98                                | 0.41          | 0.94                            | 0.28          |
| 1946 | 24,560     | 28                    | 12     | 12                      | 3      | 1.14                                | 0.48          | 0.48                            | 0.12          |
| 1947 | 24,770     | 25                    | 28     | 8                       | 3      | 1.01                                | 0.32          | 1.13                            | 0.12          |
| 1948 | 25,310     | 50                    | 19     | 6                       | 3      | 1.97                                | 0.24          | 0.75                            | 0.12          |
| 1949 | 25,420     | 35                    | 19     | 8                       | 5      | 1.38                                | 0.31          | 0.75                            | 0.19          |
| 1950 | 25,280     | 26                    | 10     | 3                       | Nil    | 1.01                                | 0.12          | 0.39                            | Nil           |
| 1951 | 25,190     | 72                    | 16     | 10                      | 3      | 2.86                                | 0.39          | 0.63                            | 0.12          |
| 1952 | 25,200     | 31                    | 8      | 5                       | 1      | 1.23                                | 0.19          | 0.32                            | 0.04          |
| 1953 | 26,020     | 34                    | 12     | 4                       | 1      | 1.3                                 | 0.15          | 0.46                            | 0.04          |
| 1954 | 25,840     | 50                    | 3      | 7                       | 1      | 1.9                                 | 0.27          | 0.12                            | 0.04          |
| 1955 | 26,190     | 30                    | 4      | 9                       | Nil    | 1.15                                | 0.34          | 0.15                            | Nil           |
| 1956 | 27,240     | 32                    | 2      | 3                       | Nil    | 1.17                                | 0.10          | 0.07                            | Nil           |
| 1957 | 28,540     | 42                    | 3      | 5                       | 1      | 1.47                                | 0.18          | 0.11                            | 0.04          |
| 1958 | 29,980     | 30                    | 7      | 6                       | Nil    | 1.00                                | 0.20          | 0.23                            | Nil           |
| 1959 | 31,500     | 26                    | 2      | 5                       | Nil    | 0.82                                | 0.16          | 0.06                            | Nil           |
| 1960 | 32,650     | 28                    | 3      | Nil                     | Nil    | 0.86                                | Nil           | 0.09                            | Nil           |
| 1961 | 36,130     | 22                    | 1      | 2                       | Nil    | 0.61                                | 0.06          | 0.03                            | Nil           |
| 1962 | 37,100     | 38                    | 1      | Nil                     | Nil    | 1.02                                | Nil           | 0.03                            | Nil           |
| 1963 | 38,090     | 31                    | 4      | 2                       | Nil    | 0.81                                | 0.05          | 0.11                            | Nil           |
| 1964 | 38,660     | 34                    | 3      | 5                       | Nil    | 0.88                                | 0.13          | 0.08                            | Nil           |
| 1965 | 38,710     | 19                    | 1      | 1                       | Nil    | 0.49                                | 0.03          | 0.03                            | Nil           |
| 1966 | 38,780     | 20                    | 1      | 4                       | Nil    | 0.52                                | 0.10          | 0.03                            | Nil           |
| 1967 | 38,870     | 17                    | Nil    | 4                       | Nil    | 0.44                                | 0.10          | Nil                             | Nil           |

Infectious Diseases: Age, Incidence, Wards, Hospital Treatment

| DISEASE                   | All<br>Ages | Under<br>1 | 1-2 | 3-4 | 5-9 | 10-14 | 15-24 | 25-44 | 45-64 | 65<br>and<br>over | North | South | East | Central | Pelaw | Leam | Wreken | Hospital |
|---------------------------|-------------|------------|-----|-----|-----|-------|-------|-------|-------|-------------------|-------|-------|------|---------|-------|------|--------|----------|
|                           |             |            |     |     |     |       |       |       |       |                   |       |       |      |         |       |      |        |          |
| Meningitis ..             | 2           | 1          | ..  | 1   | ..  | ..    | ..    | ..    | ..    | ..                | ..    | ..    | 1    | ..      | ..    | 1    | ..     | ..       |
| Scarlet Fever ..          | 2           | ..         | ..  | ..  | 2   | ..    | ..    | ..    | ..    | ..                | ..    | ..    | ..   | ..      | 1     | ..   | 1      | ..       |
| Measles ..                | 302         | 11         | 77  | 98  | 114 | 1     | 1     | ..    | ..    | ..                | 102   | 49    | 8    | 41      | 12    | 50   | 38     | 1        |
| Whooping Cough ..         | 27          | 5          | 6   | 10  | 6   | ..    | ..    | ..    | ..    | ..                | 15    | 2     | 1    | 3       | 3     | ..   | 4      | ..       |
| Tuberculosis—Pulmonary .. | 17          | ..         | ..  | 1   | 1   | ..    | 3     | 6     | 5     | 1                 | 4     | 2     | ..   | 1       | 1     | 4    | 3      | 2        |
| Non-Pulmonary ..          | 4           | ..         | ..  | ..  | 1   | 1     | ..    | 2     | ..    | ..                | 1     | ..    | ..   | ..      | ..    | ..   | 2      | 1        |
| Dysentery ..              | 7           | ..         | 1   | ..  | 3   | ..    | 1     | 2     | ..    | ..                | ..    | ..    | 1    | 1       | 5     | ..   | ..     | ..       |
| Erysipelas ..             | ..          | ..         | ..  | ..  | ..  | ..    | ..    | ..    | ..    | ..                | ..    | ..    | ..   | ..      | ..    | ..   | ..     | ..       |
| Infective Hepatitis ..    | 2           | ..         | ..  | ..  | 2   | ..    | ..    | ..    | ..    | ..                | ..    | ..    | 1    | ..      | ..    | ..   | ..     | 1        |
| Acute Encephalitis ..     | 1           | ..         | ..  | ..  | ..  | ..    | 1     | ..    | ..    | ..                | ..    | ..    | ..   | ..      | 1     | ..   | ..     | ..       |
| Pneumonia ..              | 3           | ..         | ..  | ..  | 2   | ..    | ..    | ..    | 1     | ..                | ..    | ..    | ..   | 1       | ..    | ..   | 1      | 1        |
| TOTALS ..                 | 367         | 17         | 84  | 110 | 131 | 2     | 6     | 10    | 6     | 1                 | 122   | 53    | 12   | 47      | 23    | 55   | 49     | 6        |

Notification of Infectious Diseases during 1967

| DISEASE                   | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total<br>1967 | Total<br>1966 | Increase<br>or<br>Decrease |
|---------------------------|------|------|------|-------|-----|------|------|------|-------|------|------|------|---------------|---------------|----------------------------|
| Meningitis .. ..          | 1    | ..   | ..   | ..    | ..  | ..   | ..   | ..   | ..    | ..   | ..   | 1    | 2             | ..            | +2                         |
| Scarlet Fever .. ..       | 1    | 1    | ..   | ..    | ..  | ..   | ..   | ..   | ..    | ..   | ..   | ..   | 2             | 12            | —10                        |
| Measles .. ..             | 86   | 92   | 62   | 38    | 16  | 5    | ..   | ..   | 3     | ..   | ..   | ..   | 302           | 459           | —157                       |
| Whooping Cough .. ..      | 11   | 6    | 1    | 2     | 2   | ..   | 1    | 1    | 3     | ..   | ..   | ..   | 27            | 24            | +3                         |
| Tuberculosis—Pulmonary .. | 2    | 1    | 1    | ..    | 3   | 2    | ..   | 3    | 2     | 1    | 1    | 1    | 17            | 20            | —3                         |
| Non-Pulmonary ..          | ..   | ..   | ..   | ..    | ..  | 1    | ..   | ..   | ..    | ..   | ..   | 3    | 4             | 4             | ..                         |
| Dysentery .. ..           | 1    | 5    | ..   | ..    | ..  | ..   | ..   | ..   | ..    | ..   | 1    | ..   | 7             | 5             | +2                         |
| Erysipelas .. ..          | ..   | ..   | ..   | ..    | ..  | ..   | ..   | ..   | ..    | ..   | ..   | ..   | ..            | 1             | —1                         |
| Infective Hepatitis .. .. | ..   | ..   | ..   | ..    | 1   | ..   | ..   | ..   | ..    | ..   | ..   | 1    | 2             | 8             | —6                         |
| Acute Encephalitis .. ..  | ..   | ..   | ..   | ..    | ..  | 1    | ..   | ..   | ..    | ..   | ..   | ..   | 1             | 2             | —1                         |
| Food Poisoning .. ..      | ..   | ..   | ..   | ..    | ..  | ..   | ..   | ..   | ..    | ..   | ..   | ..   | ..            | 2             | —2                         |
| Pneumonia .. ..           | ..   | ..   | ..   | ..    | ..  | 1    | ..   | ..   | 1     | ..   | 1    | ..   | 3             | 5             | —2                         |
| Typhoid Fever .. ..       | ..   | ..   | ..   | ..    | ..  | ..   | ..   | ..   | ..    | ..   | ..   | ..   | ..            | 1             | —1                         |
| TOTALS .. ..              | 102  | 105  | 64   | 40    | 22  | 10   | 1    | 4    | 9     | 1    | 3    | 6    | 367           | 543           | —176                       |

# Annual Report of the Chief Public Health Inspector

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OCTOBER, 1968.

*To the Medical Officer of Health.*

SIR,

I submit herewith my Report on the work of the Public Health Inspectors during 1967.

The vacancy for an additional Public Health Inspector was filled by Mr. P. Conville.

I would draw attention to the amount of extra work which resulted from the many complaints received from residents living in the vicinity of the Pipe Coating Factory at Pelaw. This matter and the action taken is dealt with under Heading 8—Atmospheric Pollution of my report.

I wish to take this opportunity of expressing my thanks to Mr. T. Graham, the Deputy Chief Public Health Inspector, the additional Inspectors, and the Clerk, Mrs. M. Cairns, for their services during this extremely busy year.

J. WEAR,

*Chief Public Health Inspector.*



## SECTION “ D.”

# Sanitary Circumstances of the Area

### 1. (a) *Water Supply.*

The district generally is supplied with water from the mains of the Newcastle and Gateshead Water Company. A small portion of the south-east part of the district, adjoining the Hebburn boundary, is supplied with water from the mains of the Sunderland and South Shields Water Company.

- (i) The supply to the area on the whole is satisfactory in quality and quantity.
- (ii) Regular examinations are made of the supply.
- (iii) There is little likelihood of plumbo solvent action.
- (iv) No action was taken in respect of any form of contamination.
- (v) There are no stand pipes for supplying water to dwellings in the area; 12,433 houses are supplied from public water mains serving the whole population of the area.

The following are details of analyses of the Newcastle and Gateshead Water Company's supply:—

### TYPICAL RESULTS OF CHEMICAL ANALYSES OF FILTERED WATERS

|                                    |      |      |      | Max. | Min. | Mean. |
|------------------------------------|------|------|------|------|------|-------|
| pH Value                           | .... | .... | .... | 7.7  | 7.0  | 7.2   |
| Free CO <sub>2</sub>               | .... | .... | .... | 16   | 2    | 6     |
| Alkalinity (as CaCO <sub>3</sub> ) | .... | .... | .... | 160  | 60   | 90    |
| Hardness (as CaCO <sub>3</sub> )—  |      |      |      |      |      |       |
| Total                              | .... | .... | .... | 200  | 100  | 150   |
| Carbonate                          | .... | .... | .... | 160  | 60   | 90    |
| Non-Carbonate                      | .... | .... | .... | 80   | 30   | 60    |
| Calcium....                        | .... | .... | .... | 190  | 70   | 120   |
| Magnesium                          | .... | .... | .... | 60   | 20   | 30    |
| Chlorides (as Cl)                  | .... | .... | .... | 17   | 9    | 12    |

Typical Results of Chemical Analyses of Filtered Waters.—*continued*

|                                    |      |      | Max. | Min.   | Mean. |
|------------------------------------|------|------|------|--------|-------|
| Sulphates (as SO <sub>4</sub> )    | .... | .... | 70   | 20     | 50    |
| Silica (as SiO <sub>2</sub> )      | .... | .... | 4·2  | 0·8    | 2·4   |
| Fluorides (as F)                   | .... | .... | 0·3  | < 0·1  | 0·2   |
| Iron (as Fe)                       | .... | .... | 0·25 | < 0·01 | 0·07  |
| Manganese (as Mn)                  | .... | .... | 0·05 | 0·01   | 0·01  |
| Free and Saline Ammonia (as N).... |      |      | 0·23 | 0·04   | 0·12  |
| Albuminoid Ammonia (as N)          | .... |      | 0·20 | 0·01   | 0·09  |
| Nitrates (as N)                    | .... | .... | 2·0  | 0·1    | 0·8   |
| Oxygen absorbed from permanganate  | .... | .... | 3·4  | 1·0    | 2·0   |
| Dissolved Solids                   | .... | .... | 280  | 130    | 210   |

Chemical results in milligrams per litre.

NOTES :

1. Over much of the distribution system the water is a blend of the products of the principal treatment plants.

2. These plants in turn receive water in variable proportions from the several sources utilised by the Company.

3. It is therefore difficult to predict the composition of the supply to any particular point and the maxima and minima quoted are not to be regarded as absolute values but rather as limits not likely to be exceeded in normal circumstances.

EXAMINATION OF WATER SUPPLIED TO THE TYNESIDE AREA.

CALENDAR YEAR, 1967.

*Chemical Examination.*

There was no significant change in the average chemical composition of the water supplied for domestic consumption.

*Bacteriological Examination.*

1,053 works control samples from the Whittle Dene and Henderson (Throckley) Filter Plants were examined by the Company's Laboratory; three were "unsatisfactory," three "satisfactory," the remainder "excellent."

222 samples of the water from the Warkworth Filter Plant were taken at the Longbenton Governor House; all were "excellent" save one, which was "satisfactory."

378 samples from special fixed sampling points in Newcastle upon Tyne were all "excellent."

118 samples taken at random in the area (including nine taken in Felling) were all "excellent."

Complaints were received from two residents in the Bill Quay area regarding the colour of their mains water. This is supplied by the Sunderland and South Shields Water Company, who investigated and stated that the brown pigment was due to iron deposits from the inside of the mains pipe. This was due to two possible causes: (i) the new water supply from the Derwent Reservoir and (ii) the large roadworks taking place in the vicinity of the Bill Quay bridge may be causing the pipes to reverberate and so loosening the iron deposit on the inside of the pipes. After frequent flushing of the mains, conditions improved. The company were examining the condition of these old pipes and were contemplating putting in a new ring main in this area.

*(b) Drainage and Sewerage.*

The Sewage Disposal Works at Follingsby Lane have been extended and provision made for sludge digestion. It was estimated that at the end of the year some 17,000 persons were being catered for.

The remainder of the area is drained by sewers discharging direct to the River Tyne.

*2. Rivers and Streams.*

The River Tyne is the only large waterway, and this serves as a common sewer for the many townships along its banks. The other stream running through this district is known as the River Don, which receives the effluent from the Sewage Disposal Works.

*3. Closet Accommodation.*

There are approximately 13,439 water closets and three ash closets in the area. The ash closets are situated at farms or other outlying premises where no sewerage is available.

*4. Refuse Collection and Disposal.*

Refuse collection is carried out by the use of mechanical transport. Three Karrier Bantam diesel 10 cubic yard side loaders and one Karrier Gamecock 18 cubic yard dual tip hydraulic tipping vehicle are in use for this purpose, and in view of multi-storey housing development, an 18/25 cubic yard dual tip S. & D. refuse vehicle with bin lift attachment is also in use.

A once-weekly collection of refuse is maintained throughout the year. When inclement weather, with heavy snow occurs, these vehicles are used for snow clearance, but as soon as conditions are sufficiently improved the vehicles return to refuse collection.



## STATISTICS

| Year      | Collected |       | Loads               | Miles  | Fuel<br>(Gallons) |
|-----------|-----------|-------|---------------------|--------|-------------------|
|           | Bins      | Boxes |                     |        |                   |
| 1967 .... | 838,444   | 23    | 7,103 $\frac{1}{2}$ | 30,526 | 3,340             |
| 1966 .... | 827,519   | 184   | 7,611 $\frac{3}{4}$ | 30,370 | 3,637             |
| 1965 .... | 812,798   | 295   | 7,391               | 32,794 | 4,231             |
| 1964 .... | 799,209   | 1,216 | 6,868               | 30,630 | 4,623             |
| 1963 .... | 788,745   | 1,571 | 6,408 $\frac{1}{2}$ | 30,544 | 4,848             |

Fifty-seven defective bins were replaced by B.S.S. dust bins from the stock of the Cleansing Department by sales to local property-owners.

Refuse is disposed of by controlled tipping. With the high tipping levels obtaining at the Low Lanes tip, complaints were received from nearby dwellings of nuisance, particularly during westerly gales. As the tip was at final level it was decided to leave this site and make use of a quarry at Windy Nook for refuse disposal, and this move took place near the end of the year. Part of this large quarry is used for refuse disposal and the larger part is to be used to contain pit heaps nearby under a reclamation scheme developed by Durham County Council. The life of the part of this land used for refuse disposal is approximately five years and the longest haul is some two miles.

In view of the limited life of most refuse disposal sites in the north-east, as mentioned in last year's Report, a Joint Committee for Refuse Disposal on Tyneside and Wearside, under the North Regional Planning Committee, had the Local Government Operational Research Unit prepare a report.

This report was published during the year, and it was decided that Gateshead, Washington, and Felling form a group to deal jointly with the incineration of refuse from their areas. Work was proceeding on this at the end of the year.

### *5. Gulley Emptying and Street Sweeping.*

Two mechanical gulley emptiers are in use in the area.

Street sweeping is carried out partly by the use of two road sweeper-collectors (one suction and one mechanical), three electric orderlies, and partly by the gang method.



## 6. *Swimming Baths.*

The public Swimming Bath of National Championship standard on the Leam Lane Estate has proved to be extremely popular and National Swimming Trials have been held here. The water is regularly sampled and bacteriological examinations have shown a high standard of purity.

## 7. *Schools.*

Routine inspections of schools have been carried out during the year.

## 8. *Atmospheric Pollution.*

The Felling No. 1 order, operative from May, 1962, continues to show the advantages of clean air, particularly during the foggy periods of the winter. No. 2 area came into operation in January and Nos. 3 and 4 areas should come into operation in May, 1968. Work on No. 5 area is proceeding and includes the conversion of the Council's Bog House Estate of some 559 dwellings, and the authority is considering the installation of solid fuel central heating by the use of room heaters with high output back boilers and radiators. No. 6 area is being prepared.

The Council has decided that all future houses built by them will have smokeless appliances fitted either electric, gas, or solid fuel room heaters burning hard coke.

Generally, there has been little cause for complaint from factory chimneys—in one or two instances choked jets in oil-burning appliances cause smoke, but these matters were soon put right and a small firm burning car bodies was cautioned.

## *Pipe Coating Works.*

In last year's Report a detailed statement on the activities of this firm was given, describing the nuisance caused and the action taken. The firm are engaged on coating pipes needed for the North Sea gas undertaking. The material applied as a coating is a blend of coal tar pitch plasticising oils and pulverised coal, which had already been processed at a temperature of 450°F. The application temperature of this material to the pipe is approximately 400°F. The pipe receives a flood coat of hot enamel into which is poured by mechanical means a strengthening membrane of glass fibre cloth and a further coat of hot enamel applied before a final wrap of a glass fibre, pitch impregnated thermoglass.

This factory is sited in a hollow below the nearby houses. With houses to the south and west and a large clay heap on the north-west perimeter of the site a bowl effect is created which aids in noise echo and, due to the situation of the houses in relation to the lower site of the factory, a turbulent effect can be created by the wind. Often the effect is that it seems to channel on to Grasmere Avenue to the west of the site and at times of inversion particularly, a build-up of fumes occurs and any following wind movement often means the fumes drift over Grasmere Avenue before lifting and dissipating. In fact the residents are, to a considerable degree, at the mercy of the weather on how much they are affected by fume nuisance.

At the beginning of the year numerous complaints were received of noise and fumes both by the Clerk of the Council and the Health Department. The local residents had formed an action committee the previous year, and this committee also drew the attention of the local Member of Parliament to these matters. The Member discussed these complaints with the Clerk and myself and also took part in a discussion with the firm's management and myself. As a result, he asked several questions in the House of Commons, and this factory was finally the subject of an Adjournment Debate in the House (vide *Hansard*, 28th June, 1967).

The Health Department maintained a close liaison with the District Alkali Inspector. This officer lives in Darlington, some considerable distance from this area, and with him having a large territory to cover I acted as the 'man on the spot' in liaison with him, and this arrangement worked extremely well when immediate action was required.

As a result of our discussions the factory closed for some five weeks to allow a scrubber-type of apparatus and a 60-ft. chimney to be installed to treat the fume nuisance. This apparatus, which cost over £10,000, greatly reduced the heavy fume nuisance, and no further fall-out, which on one occasion stained the paintwork and external surfaces of nearby dwellings, and also cars parked in the street, with a brown stain, was encountered. The pollutant Anthracene ( $C_{14}H_{10}$ ) is a hydro-carbon with a pungent odour and very little need be discharged before nuisance is encountered. However, the gas soon liquifies and fall-out is normally very local. Complaints were still being received, and leaks in the plant apparatus, the use of boilers (for heating the compound) which had loose covers and were left open for stirring, all contributed to the nuisance still continuing.



The firm brought in insulated tankers with a hot mixture, which was pumped to the boilers, and this helped. Nearer the end of the year the use of flexible piping from the top of the boilers to convey fumes to the main ducting of the scrubber was tried, and this was of benefit, but was not completed as the main processing plant and equipment was transferred to Scotland to a new site, and operations on a large scale ceased for a temporary period nearer the end of the year.

A considerable amount of work was done in dealing with the noise problems. Shot blasting was carried out in a special insulated chamber, which was suggested by the Health Department and erected by the firm. Noise level inside was up to 97 decibels, but by insulation was reduced to 58 decibels outside, and this noise was not discernable at the perimeter of the factory. Telescopic tubing was fixed to convey waste material from this process to a container.

The pipes were rolled originally along metal runners and these were covered with rubber which greatly reduced noise from this source. Heavy rubber flaps were placed over the shed entrance through which the pipes travelled. The lifting and moving of the pipes was carried out by a large electro-diesel crane, and the chains attached from here to the pipes were replaced by a boom with two brackets at the end of the chains, and these brackets were shaped to slot into the pipes and were rubber-lined.

It was not found possible to insulate the engine, but an extra exhaust silencer was fitted to reduce engine noise as far as possible. The noise problems were greatly reduced and the firm co-operated by implementing any remedial action suggested by either the Health Department or the Alkali Inspector.

This action has meant that a great deal of time has been spent by the Health Department on these problems. Daily visits for long periods were paid—in some cases several visits were paid during the day and night and, where necessary, at weekends.

It was agreed that no matter when a complaint was received an immediate visit be made, whether it was an Alkali Inspectorate or a Local Authority matter, as it was felt that by visiting, the people concerned would feel that they were not being neglected, and that the Council were doing all they could to help those affected with the problems caused by this factory so close to their homes.

Two deposit gauges and two lead peroxide instruments have been in use in the Urban District during the year. The deposit gauge measures the amount of matter deposited in the area and the lead peroxide instrument measures the sulphur content of the atmosphere.

The following tables give the readings and statistics for 1967 :—

DEPOSIT GAUGES—STATISTICS

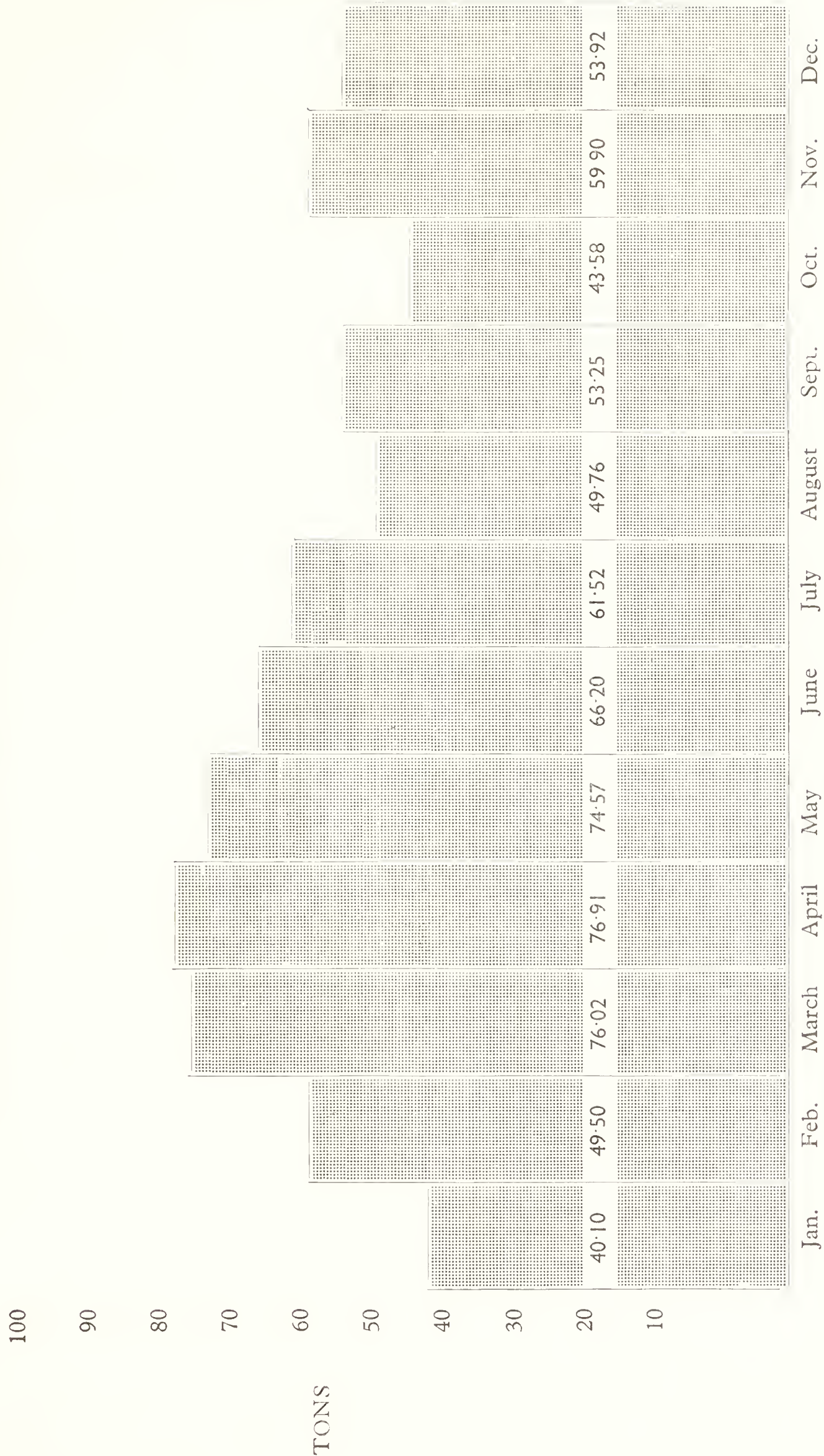
|           |      | Felling<br>Park | Sewage<br>Disposal<br>Works | Monthly<br>Average | Yearly<br>Average<br>per Gauge |
|-----------|------|-----------------|-----------------------------|--------------------|--------------------------------|
| January   | .... | 8.93            | 6.49                        | 7.71               | 11.30                          |
| February  | .... | 8.15            | 10.90                       | 9.52               |                                |
| March     | .... | 12.62           | 16.59                       | 14.62              |                                |
| April     | .... | 15.45           | 14.14                       | 14.79              |                                |
| May       | .... | 17.85           | 10.83                       | 14.34              |                                |
| June      | .... | 16.88           | 8.57                        | 12.73              |                                |
| July      | .... | 13.83           | 9.84                        | 11.83              |                                |
| August    | .... | 9.97            | 9.17                        | 9.57               |                                |
| September | .... | 11.07           | 9.41                        | 10.24              |                                |
| October   | .... | 10.07           | 6.69                        | 8.38               |                                |
| November  | .... | 12.72           | 10.33                       | 11.52              |                                |
| December  | .... | 12.82           | 7.92                        | 10.37              |                                |
| TOTALS    | .... | 150.36          | 120.88                      | 135.62             |                                |

Figures expressed as tons per square mile.

|  |      |      |        |
|--|------|------|--------|
| Average Annual Deposit (tons/square mile)                | .... | .... | 135.62 |
| Estimated Weight of Deposit on District (tons per month) |      |      | 58.77  |
| Estimated Weight of Deposit on District (tons per year)  |      |      | 705.22 |



ESTIMATED MONTHLY DEPOSITS ON AREA DURING 1967



LEAD PEROXIDE GAUGES—STATISTICS

|                |      | Felling<br>Park | Sewage<br>Disposal<br>Works | Monthly<br>Average | Yearly<br>Average<br>per Gauge |
|----------------|------|-----------------|-----------------------------|--------------------|--------------------------------|
| January ....   | .... | 2.46            | 2.67                        | 2.56               | 1.20                           |
| February ....  | .... | 1.74            | 1.38                        | 1.56               |                                |
| March ....     | .... | 1.13            | 0.73                        | 0.93               |                                |
| April ....     | .... | 1.11            | 0.80                        | 0.96               |                                |
| May ....       | .... | 0.63            | 1.25                        | 0.94               |                                |
| June ....      | .... | 1.30            | 1.11                        | 1.21               |                                |
| July ....      | .... | 0.46            | 0.49                        | 0.47               |                                |
| August ....    | .... | 0.46            | 0.51                        | 0.48               |                                |
| September .... | .... | 0.76            | 0.76                        | 0.76               |                                |
| October ....   | .... | 0.51            | 0.90                        | 0.71               |                                |
| November....   | .... | 1.88            | 1.94                        | 1.91               |                                |
| December ....  | .... | 2.01            | 2.01                        | 2.01               |                                |
| TOTALS ....    |      | 14.45           | 14.55                       | 14.50              |                                |

Figures expressed as milligrams per 100 square cms. per day.

Informal action was taken in five cases to abate smoke nuisance, and conditions show improvement.

A number of lectures on Air Pollution have been given by the Public Health Inspector to various local bodies during the year.

9. *Rodent Control.*

A rodent operator is employed in the Health Department and he deals with all rat and mice infestations and the treatments of sewers.

All complaints received are investigated and treated where required; routine visits and inspections in the area are also carried out.

Due to various circumstances, different poisons at times are used, which include Warfarin, Tomorin, Zinc Phosphide, and in some cases Arsenious Oxide. The use of a narcotic bait was tried in some severe mouse infestations with most successful results.

After any poisoning, post-baiting is carried out, Warfarin generally being used for this purpose, to determine if the infestation has been completely eradicated.

Rodent extermination work, using the techniques recommended by the Ministry, is carried out in this area and in most cases complete eradication is obtained after initial poisoning, but in every case post-baiting is carried out as a routine procedure.



Inspections have been carried out at several farms in the area.

Treatments carried out during the year were as follows :—

|                        | RATS  |       | MICE  |       |
|------------------------|-------|-------|-------|-------|
|                        | Major | Minor | Major | Minor |
| Private Dwellings .... | —     | 209   | —     | 139   |
| Business Premises .... | —     | 20    | —     | 11    |
| Local Authority ....   | —     | 30    | —     | 6     |
| Agricultural ....      | —     | 1     | —     | —     |
| TOTAL ....             | —     | 260   | —     | 156   |

All sewers in the area are treated twice a year in accordance with Ministry methods.

#### 10. *Eradication of the Bed Bug.*

|                                | Council Houses | Other Houses |
|--------------------------------|----------------|--------------|
| Number of Houses Infested .... | 3              | 1            |

When a complaint of bug infestation is received, the infested dwelling is inspected and sprayed with suitable insecticides where required.

No general disinfestation scheme for Council houses and removals from Council houses is in force.

Council houses, when vacated at the end of a tenancy, are inspected by the Housing Department, and should any type of vermin be seen, the Health Department are notified and treatment is carried out before a new tenant enters into possession.

#### 11. *Other Infestations.*

The following are details of infestations dealt with during the year :—

|                        | Council Houses | Other Houses | Total      |
|------------------------|----------------|--------------|------------|
| Furniture Beetles .... | 16             | —            | 16         |
| Beetles ....           | 27             | 14           | 39         |
| Fleas ....             | 5              | 6            | 11         |
| Bugs ....              | 3              | 1            | 4          |
| Red Spider ....        | 6              | 3            | 9          |
| Earwigs ....           | 7              | 2            | 9          |
| Flies ....             | 2              | 1            | 3          |
| Wasps ....             | 3              | 1            | 4          |
| Miscellaneous ....     | 17             | 4            | 21         |
|                        | <u>86</u>      | <u>32</u>    | <u>118</u> |

In addition, complaints are often received of beetle or other infestation, and powder containing a suitable insecticide has been issued to 130 households.

Where a serious infestation occurs, the dwelling is treated by the staff of the Health Department.

On several occasions it has been found that there has been a resistance to the normal insecticides by the cockroaches. In such cases the use of the carbomates and other recently-discovered insecticides, either in powder or liquid form or as a lacquer, have proved effective.

A number of enquiries were received for advice on treatment of furniture beetle infestations. Where such an infestation occurs in a Council dwelling, the Health Department staff, in conjunction with the housing maintenance staff, deal with this problem. Where the infestation is severe the affected woodwork is removed and burnt and is replaced by suitably treated wood, after spraying and other precautions have been taken. At prescribed times, spraying is carried out in all known cases of furniture beetle in Council dwellings. Where slight infestation occurs, injection of the holes with a hypodermic syringe containing a suitable insecticide has been found to be most effective. It is pleasing to note that after treatment has been carried out over a period in these dwellings there is a definite reduction in the degree of infestation, and in some cases after a period of three years or more the infestation would appear to have been completely eradicated.

## 12. *Registered Common Lodging Houses.*

There are no registered common lodging houses in the area.



GENERAL SANITARY WORK.

The following are details of notices served under the Public Health and Housing Acts :—

|  | PUBLIC HEALTH ACT |               |                   |               | HOUSING ACT      |               |                   |               |
|--|-------------------|---------------|-------------------|---------------|------------------|---------------|-------------------|---------------|
|  | Informal Notices  |               | Statutory Notices |               | Informal Notices |               | Statutory Notices |               |
|  | Served            | Complied with | Served            | Complied with | Served           | Complied with | Served            | Complied with |
| Main Roofs repaired .....                          | 18                | 19            | 1                 | 1             | ....             | ....          | ....              | ....          |
| Off-shoot Roofs repaired....                       | 7                 | 14            | ....              | ....          | ....             | ....          | ....              | ....          |
| Chimney Stacks repaired .....                      | 2                 | 2             | ....              | ....          | ....             | ....          | ....              | ....          |
| Eaves Gutters repaired or renewed .....            | 9                 | 11            | 1                 | 1             | ....             | ....          | ....              | ....          |
| Rain-water Pipes repaired or renewed....           | 4                 | 5             | ....              | ....          | ....             | ....          | ....              | ....          |
| Soil Pipes repaired or renewed .....               | 1                 | 2             | ....              | ....          | ....             | ....          | ....              | ....          |
| Pointing repaired .....                            | 22                | 24            | ....              | ....          | ....             | ....          | ....              | ....          |
| Brickwork repaired .....                           | 5                 | 12            | ....              | ....          | ....             | ....          | ....              | ....          |
| Window Woodwork repaired or renewed                | 7                 | 10            | 1                 | 1             | ....             | ....          | ....              | ....          |
| Sash Cords renewed .....                           | 4                 | 4             | 1                 | 1             | ....             | ....          | ....              | ....          |
| Floors repaired or renewed .....                   | 7                 | 8             | ....              | ....          | ....             | ....          | ....              | ....          |
| Sub-floor Ventilation provided .....               | ....              | ....          | ....              | ....          | ....             | ....          | ....              | ....          |
| Handrails provided or repaired....                 | 1                 | 1             | ....              | ....          | ....             | ....          | ....              | ....          |
| Door Woodwork repaired or renewed....              | 12                | 14            | 4                 | 4             | ....             | ....          | ....              | ....          |
| Scullery Benches repaired or renewed....           | ....              | ....          | ....              | ....          | ....             | ....          | ....              | ....          |
| Woodwork (Miscellaneous) repaired or renewed ..... | 4                 | 8             | ....              | ....          | ....             | ....          | ....              | ....          |
| Wall Plaster renewed .....                         | 28                | 32            | 1                 | 1             | ....             | ....          | ....              | ....          |
| Ceiling Plaster renewed .....                      | 6                 | 11            | 1                 | 1             | ....             | ....          | ....              | ....          |
| Ranges repaired or renewed .....                   | 3                 | 3             | ....              | ....          | ....             | ....          | ....              | ....          |
| Sink Waste Pipes repaired or renewed               | 1                 | ....          | ....              | ....          | ....             | ....          | ....              | ....          |
| Sinks refixed or renewed .....                     | ....              | 1             | ....              | ....          | ....             | ....          | ....              | ....          |
| Water Service Pipes repaired .....                 | ....              | ....          | ....              | ....          | ....             | ....          | ....              | ....          |
| Yard Paving repaired .....                         | ....              | ....          | ....              | ....          | ....             | ....          | ....              | ....          |
| Yard Gullies repaired .....                        | ....              | ....          | ....              | ....          | ....             | ....          | ....              | ....          |
| Outbuilding Roofs repaired .....                   | ....              | 1             | ....              | ....          | ....             | ....          | ....              | ....          |
| W.C. Roofs repaired .....                          | 4                 | 3             | ....              | ....          | ....             | ....          | ....              | ....          |
| „ Brickwork repaired .....                         | 3                 | 1             | 1                 | 1             | ....             | ....          | ....              | ....          |
| „ Doors repaired or renewed .....                  | 8                 | 6             | ....              | ....          | ....             | ....          | ....              | ....          |
| „ Basins refixed or renewed .....                  | ....              | ....          | ....              | ....          | ....             | ....          | ....              | ....          |
| „ Flush Pipes repaired .....                       | 2                 | 2             | ....              | ....          | ....             | ....          | ....              | ....          |
| „ Cisterns repaired or renewed .....               | 5                 | 5             | ....              | ....          | ....             | ....          | ....              | ....          |
| „ Seats repaired or renewed .....                  | ....              | ....          | ....              | ....          | ....             | ....          | ....              | ....          |
| Drains cleansed and repaired .....                 | 3                 | 3             | ....              | ....          | ....             | ....          | ....              | ....          |
| Dust Bins renewed .....                            | 17                | 19            | ....              | ....          | ....             | ....          | ....              | ....          |
| Accumulations of Refuse .....                      | ....              | ....          | ....              | ....          | ....             | ....          | ....              | ....          |
|  | 183               | 221           | 11                | 11            | ....             | ....          | ....              | ....          |

## Factories Act, 1961.

### *Prescribed Particulars of the Administration of the Factories Act, 1961.*

#### PART 1 OF THE ACT.

#### 1.—INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

| PREMISES.<br>(1)   | Number on<br>Register<br>(2) | Inspections.<br>(3) | NUMBER OF                  |                                 |
|--|------------------------------|---------------------|----------------------------|---------------------------------|
|  |                              |                     | Written<br>Notices.<br>(4) | Occupiers<br>Prosecuted.<br>(5) |
| (i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities .. ..                    | 4                            | 6                   | 2                          | ....                            |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority .. ..                     | 57                           | 139                 | 5                          | ....                            |
| (iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) .. .. | 12                           | 47                  | 2                          | ....                            |
| Total .. ..  | 73                           | 192                 | 9                          | ....                            |

#### 2.—Cases in which DEFECTS were found

| PARTICULARS.<br>(1)   | Number of Cases in which Defects were found |                 |                                   |                                   | Number of cases in which prosecutions were instituted<br>(6) |
|---|---|-----------------|-----------------------------------|-----------------------------------|--|
|   | Found<br>(2)                                | Remedied<br>(3) | Referred To H.M. Inspector<br>(4) | Referred By H.M. Inspector<br>(5) |  |
| Want of cleanliness (S.1) ....  | 1   | 1               | ....                              | ....                              | ....   |
| Overcrowding (S.2) ....   | ....  | ....            | ....                              | ....                              | ....   |
| Unreasonable temperature (S.3) ....   | ....  | ....            | ....                              | ....                              | ....   |
| Inadequate ventilation (S.4) ..   | ....  | ....            | ....                              | ....                              | ....   |
| Ineffective drainage of floors (S.6) ....   | ....  | ....            | ....                              | ....                              | ....   |
| Sanitary Conveniences (S.7)—  |   |                 |                                   |                                   |  |
| (a) Insufficient .....  | 1   | 1               | ....                              | 1                                 | ....   |
| (b) Unsuitable or defective   | 14  | 14              | ....                              | 1                                 | ....   |
| (c) Not separate for sexes  | 1   | 1               | ....                              | 1                                 | ....   |
| Other offences against the Act (not including Offences relating to Out-work) .... | 7   | 5               | ....                              | 1                                 | ....   |
| Total ....  | 24  | 22              | ....                              | 4                                 | ...  |

PART VIII OF THE ACT.

OUTWORK.

(Sections 133 and 134).

| Nature<br>of Work                     | SECTION 133  |   |  | SECTION 134   |                   |                   |
|---------------------------------------|--|---|--|---|-------------------|-------------------|
|                                       | No. of<br>out-<br>workers<br>in August<br>list<br>required<br>by<br>Section<br>110 | No. of<br>cases of<br>default<br>in sending<br>lists to<br>the<br>Council | No. of<br>prosecu-<br>tions for<br>failure<br>to supply<br>lists | No. of<br>instances<br>of work<br>in un-<br>wholesome<br>premises | Notices<br>served | Prosecu-<br>tions |
|                                       | (1) (c)<br>(2)   | (3)   | (4)  | (5)   | (6)               | (7)               |
| Wearing Apparel—<br>Making, etc. .... | 16   | ....  | ....   | ....  | ....              | ....              |
| Total ....                            | 16   | ....  | ....   | ....  | ....              | ....              |

13. *Factories Act, 1961—Section 40.*

All the factories in this area to which this section applies have now been issued with Certificates as to Adequate Means of Escape in Case of Fire.

Four certificates as to Adequate Means of Escape were issued during the year after inspection by the Durham County Fire Brigade Fire Prevention Department in conjunction with this department.

14. *Rag Flock.*

The one Rag Flock Factory in the area ceased making flock during 1963 and now imports flock for manufacturing purposes.

## SECTION “ E.”

# Housing in the Area

---

There were 12,433 inhabited houses in the Urban District at the end of 1967.

The Council owns 7,043 houses.

### *House Erection.*

During the year the Council completed 24 houses on their own land.

Seventy-six private houses were built during the year.

### *Rehousing—Unfit Houses.*

Including individual unfit houses and dwellings from areas where undertakings not to re-let dwellings have been obtained from the owners, 32 families from 34 dwellings have been rehoused during the year.

The number of persons rehoused was 99 and 87 houses were demolished.

### *Rent Act, 1957.*

No action was taken during the year.



## SECTION "F."

# Inspection and Supervision of Food

### (a) Milk Supply.

#### MILK

#### (SPECIAL DESIGNATION) REGULATIONS, 1960.

Under the provisions of the Milk (Special Designation) Regulations, 1960, as from 1st January, 1961, Durham County Council became the authority responsible for the issue of dealers' licences in this area.

### (b) Meat and Other Foods.

A private slaughterhouse, using the latest techniques, was opened in February, 1965. The "line system" is operated here and new apparatus and design in these premises have evoked wide interest in the various technical journals.

Details of meat found to be unfit after inspection are as follows:—

#### CATTLE

| Condition Found                 | Carcase and Organs | Livers | Lungs | Heads and Tongues | Skirts | Hearts | Other Viscera | Mis-cellaneous | Total  |
|---------------------------------|--------------------|--------|-------|-------------------|--------|--------|---------------|----------------|--------|
|                                 | lb.                | lb.    | lb.   | lb.               | lb.    | lb.    | lb.           | lb.            | lb.    |
| Generalised Actinobacillosis .. | 892                | ..     | ..    | ..                | ..     | ..     | ..            | ..             | 892    |
| Oedema with Emaciation ..       | 526                | ..     | ..    | ..                | ..     | ..     | ..            | ..             | 526    |
| Fascioliasis .. ..              | ..                 | 4,958  | 202   | ..                | ..     | ..     | ..            | ..             | 5,160  |
| Abscesses .. ..                 | ..                 | 432    | 24    | ..                | 32     | ..     | 21            | ..             | 509    |
| Telangiectasis .. ..            | ..                 | 48     | ..    | ..                | ..     | ..     | ..            | ..             | 48     |
| Pleurisy .. ..                  | ..                 | ..     | 168   | ..                | 8      | ..     | ..            | ..             | 176    |
| Pneumonia .. ..                 | ..                 | ..     | 6     | ..                | ..     | ..     | ..            | ..             | 6      |
| Congestion .. ..                | ..                 | ..     | 6     | ..                | ..     | ..     | ..            | ..             | 6      |
| Pericarditis .. ..              | ..                 | ..     | ..    | ..                | ..     | 22½    | ..            | ..             | 22½    |
| Cysticercus Bovis ..            | ..                 | ..     | ..    | 60                | 4      | 15½    | ..            | ..             | 79½    |
| Arthritis .. ..                 | ..                 | ..     | ..    | ..                | ..     | ..     | ..            | 11             | 11     |
| Peritonitis .. ..               | ..                 | ..     | ..    | ..                | ..     | ..     | 25            | ..             | 25     |
| Pentastoma .. ..                | ..                 | ..     | ..    | ..                | ..     | ..     | 5             | ..             | 5      |
| Nephritis .. ..                 | ..                 | ..     | ..    | ..                | ..     | ..     | ..            | 2¼             | 2¼     |
|                                 | 1,418              | 5,438  | 406   | 60                | 44     | 38     | 51            | 13¼            | 7,468¼ |

## SHEEP

| Condition Found                            | Livers | Lungs | Plucks | Carcase Meat | Mis-cellaneous | Total  |
|--|--------|-------|--------|--------------|----------------|--------|
|  | lb.    | lb.   | lb.    | lb.          | lb.            | lb.    |
| Fascioliasis .. .. .                       | 210    | ..    | ..     | ..           | ..             | 210    |
| Parasitic (Others) .. ..                   | 179½   | 597½  | 14     | ..           | ..             | 791    |
| Abscesses .. .. .                          | 10½    | 6½    | 50     | 104          | 27             | 198    |
| C. Tenuicollis .. .. .                     | 9½     | ..    | ..     | ..           | 5              | 14½    |
| Congestion .. .. .                         | ..     | 218   | ..     | ..           | ..             | 218    |
| Pneumonia .. .. .                          | ..     | 155½  | ..     | ..           | ..             | 155½   |
| Pleurisy .. .. .                           | ..     | 118½  | ..     | 23           | ..             | 141½   |
| Pleurisy and Peritonitis .. ..             | ..     | ..    | 37     | ..           | ..             | 37     |
| Generalised Oedema with Emaciation .. .. . | ..     | ..    | ..     | 1,012        | ..             | 1,012  |
| Peritonitis .. .. .                        | ..     | ..    | ..     | 10           | ..             | 10     |
| Traumatism .. .. .                         | ..     | ..    | ..     | 8            | ..             | 8      |
| Blood Splashing .. .. .                    | ..     | ..    | ..     | 23           | ..             | 23     |
| Jaundice .. .. .                           | ..     | ..    | ..     | 107          | ..             | 107    |
| Arthritis .. .. .                          | ..     | ..    | ..     | 22           | ..             | 22     |
|  | 409½   | 1,096 | 101    | 1,309        | 32             | 2,947½ |

Total weight found to be unfit:— 4 tons 13 cwt.

All meat found unfit is stained with a green dye before leaving the premises for processing into fertilisers, etc.

*Table showing Inspections and Condemnations*

|   | Cattle<br>(Excluding<br>Cows) | Cows  | Sheep<br>and<br>Lambs | Calves | Pigs | Horses |
|---|-------------------------------|-------|-----------------------|--------|------|--------|
| Number killed .. .. .   | 1,295                         | 42    | 12,534                | ..     | ..   | ..     |
| Number inspected .. ..  | 1,295                         | 42    | 12,534                | ..     | ..   | ..     |
| <b>All diseases except Tuberculosis and Cysticerci—</b>   |                               |       |                       |        |      |        |
| Whole carcasses condemned ..  | 2                             | ..    | 22                    | ..     | ..   | ..     |
| Carcasses of which some part or organ was condemned ..  | 701                           | 31    | 1,011                 | ..     | ..   | ..     |
| Percentage of the number inspected affected with disease other than Tuberculosis and Cysticerci .. .. . | 54·3%                         | 73·8% | 8·1%                  | ..     | ..   | ..     |
| <b>Tuberculosis only—</b>   |                               |       |                       |        |      |        |
| Whole carcasses condemned ..  | ..                            | ..    | ..                    | ..     | ..   | ..     |
| Carcasses of which some part or organ was condemned ..  | ..                            | ..    | ..                    | ..     | ..   | ..     |
| Percentage of the number inspected affected with Tuberculosis .. .. .                                   | ..                            | ..    | ..                    | ..     | ..   | ..     |
| <b>Cysticercosis—</b>   |                               |       |                       |        |      |        |
| Carcasses of which some part or organ was condemned ..  | 6                             | ..    | ..                    | ..     | ..   | ..     |
| Carcasses submitted to treatment by refrigeration ..  | 4                             | ..    | ..                    | ..     | ..   | ..     |
| Generalised and totally condemned .. .. .   | ..                            | ..    | ..                    | ..     | ..   | ..     |

The following foodstuffs were surrendered as unfit for human consumption during the year:—

|                         |      |         |                    |   |
|-------------------------|------|---------|--------------------|---|
| Mutton (Imported)       | .... | 704 lb. | Decomposition      |   |
| Beef (Imported)         | .... | 141 „   | Bacterial Spoilage |   |
| Beef (English)          | .... | 72 „    | Bone Taint         |   |
| Kidneys (Imported)      | .... | 112 „   | Bacterial Spoilage |   |
| Liver (Imported)        | .... | 74 „    | „                  | „   |
| Bacon                   | .... | 38 „    | Decomposition      |   |
| Ham                     | .... | 16 „    | Bruising           |   |
| Chickens                | .... | 3,462 „ | Contamination      | This was a consignment that was damaged when the lorry overturned |
| Sausage                 | .... | 75 „    | „                  |   |
| Lemon Cheese (408 jars) | .... | 225 „   | „                  |   |
| Cheese                  | .... | 120 „   | Mould Growth       |   |
| Margarine               | .... | 60 „    | Rancidity          |   |
| Walnuts                 | .... | 112 „   | Contamination      |   |
| <hr/>                   |      |         |                    |   |
| 5,241 lb.               |      |         |                    |   |
| <hr/>                   |      |         |                    |   |

| TINNED GOODS                            |      |      |      |      |       | Weight               |
|---|------|------|------|------|-------|----------------------|
|   |      |      |      |      |       | lb.                  |
|   |      |      |      |      |       | Tins                 |
| Meats (various)                         | .... | ...  | .... | .... | 2,068 | 5,643                |
| Soups                                   | .... | .... | .... | .... | 3,775 | 2,714                |
| Fish                                    | .... | .... | .... | .... | 25    | 13                   |
| Fruits (various)                        | .... | .... | .... | .... | 800   | 1,036                |
| Vegetables (various)                    | .... | .... | .... | .... | 1,288 | 1,035                |
| Milk and Cream Products                 | .... | .... | .... | .... | 1,413 | 1,219                |
| Miscellaneous                           | .... | .... | .... | .... | 454   | 195                  |
| <hr/>                                   |      |      |      |      |       |                      |
| 9,823                                   |      |      |      |      |       | 11,855               |
| <hr/>                                   |      |      |      |      |       |                      |
|   |      |      |      |      |       | ton cwt. qr. st. lb. |
| Weight of tinned foodstuffs surrendered |      |      |      |      |       | 5 5 3 – 11           |
| „ other „ „                             |      |      |      |      |       | 2 6 3 – 5            |
| <hr/>                                   |      |      |      |      |       |                      |
|   |      |      |      |      |       | 7 12 2 1 2           |
| <hr/>                                   |      |      |      |      |       |                      |
| Grand total meat and other foods        |      |      |      |      |       | 12 5 2 1 2           |
| <hr/>                                   |      |      |      |      |       |                      |

## ICE-CREAM.

### *Ice-Cream—Heat-treatment Regulations.*

One producer of ice-cream is registered in the area. Strict hygienic precautions are taken and the premises have been found to be kept clean at all times and are most satisfactory.

One hundred and one shops sell prepacked ice-cream and regular visits have been made to these premises, and in all cases they have been found to be in a clean and satisfactory condition.

## CLEAN FOOD EDUCATION.

As mentioned in previous years, no Clean Food Guild is established in the area. As in the past, lectures have been given by the Chief Public Health Inspector to local bodies on food and food hygiene. Judging by the attendance at these lectures, and the questions asked, it is apparent that the housewife of today is increasingly aware of the need for clean food and a high standard of hygiene. I would consider these lectures to be well worth while.

## FOOD PREMISES.

The following table gives the types of food premises in the Urban District :—

| Type                                       | Number |
|--|--------|
| Bakehouses ....                            | 3      |
| Food Manufacturing ....                    | 1      |
| Food Packing ....                          | 4      |
| Food Storing ....                          | 15     |
| Catering ....                              | 25     |
| Grocery and Provision ....                 | 32     |
| Butcher ....                               | 23     |
| Fishmonger ....                            | 3      |
| Fish Fryer ....                            | 11     |
| Fruiterer and Greengrocer ....             | 13     |
| General Dealer ....                        | 56     |
| Confectioner ....                          | 29     |
| Licensed Premises ....                     | 49     |
| Miscellaneous Premises not mentioned above | 15     |

### *Registered Premises.*

|   |     |
|---|-----|
| Potted, Pressed, Pickled, or Preserved Food |     |
| Premises ....                               | 23  |
| Ice-cream Premises ....                     | 101 |

Regular inspections of all premises have been carried out.



*Food Hygiene Regulations.*

Again considerable time has been spent on this subject. Standards still continue to improve and shopkeepers have been most co-operative in helping to provide a higher standard.

FOOD HYGIENE (GENERAL) REGULATIONS, 1960

| Trade<br>carried on                               | No. of<br>Premises | No.<br>fitted to<br>comply<br>with<br>Reg. 16 | No.<br>to which<br>Reg. 19<br>applies | No.<br>fitted to<br>comply<br>with<br>Reg. 19 |
|---|--------------------|---|---------------------------------------|---|
| Bakehouses ....                                   | 3                  | 3   | 3                                     | 3   |
| Food Manufacturing ...                            | 1                  | 1   | 1                                     | 1   |
| Food Packing ....                                 | 4                  | 4   | 4                                     | 4   |
| Food Storing ....                                 | 15                 | 15  | 13                                    | 13  |
| Catering ....                                     | 25                 | 25  | 25                                    | 24  |
| Grocery and Provision ...                         | 32                 | 32  | 32                                    | 29  |
| Butcher ....                                      | 23                 | 23  | 23                                    | 23  |
| Fishmonger ....                                   | 3                  | 3   | 3                                     | 3   |
| Fish Fryer....                                    | 11                 | 11  | 11                                    | 11  |
| Fruiterer and Greengrocer                         | 13                 | 13  | 13                                    | 12  |
| General Dealer ....                               | 56                 | 56  | 56                                    | 53  |
| Confectioner ....                                 | 29                 | 29  | 29                                    | 28  |
| Licensed Premises ....                            | 50                 | 50  | 50                                    | 50  |
| MiscellaneousPremises not<br>mentioned above .... | 15                 | 15  | 15                                    | 14  |

# SUMMARY OF WORK CARRIED OUT DURING THE YEAR

|  |      |      |      | Notices<br>Served |      | Notices<br>Complied<br>With |
|--|------|------|------|-------------------|------|-----------------------------|
| Cleanliness of equipment, etc.                 | .... | .... |      | 3                 | .... | 3                           |
| Protection of food from contamination          |      |      | .... | 1                 | .... | 1                           |
| Drainage of food premises                      | .... | .... | .... | 2                 | .... | 2                           |
| Provision of sinks                             | .... | .... | .... | 1                 | .... | 1                           |
| Sanitary conveniences                          | .... | .... | .... | 2                 | .... | 2                           |
| Provision of “ Wash Hands ” notices            |      |      | .... | 3                 | .... | 3                           |
| Provision of hot/cold water                    | .... | .... | .... | —                 | .... | —                           |
| Provision of wash basins                       | .... | .... | .... | 2                 | .... | 2                           |
| Provision of soap, towels, nail-brushes, etc.  | .... |      |      | 10                | .... | 10                          |
| Provision of First Aid materials               | .... | .... |      | 2                 | .... | 2                           |
| Provision of accommodation, etc., for clothing |      |      |      | 2                 | .... | 2                           |
| Cleanliness and repair, etc., of food rooms    | .... |      |      | 6                 | .... | 6                           |
| Lighting                                       | .... | .... | .... | 3                 | .... | 2                           |
| Storage of refuse                              | .... | .... | .... | 2                 | .... | 2                           |
|  |      |      |      | <u>39</u>         | .... | <u>38</u>                   |

## FOOD SAMPLING.

### LIST OF SAMPLES TAKEN IN THE FELLING URBAN DISTRICT DURING THE YEAR ENDED 31ST DECEMBER, 1967.

I am indebted to Mr. G. W. Woods, of the Durham County Council Weights and Measures Office, Chester-le-Street, for details of samples taken by the Food and Drugs Authority during the year.

|          |    |  |
|----------|----|--|
|          | 16 | Milk   |
| Informal | 2  | Blackcurrants in Syrup                       |
|          | 5  | Blackcurrants in Syrup                       |
|          | 1  | Raspberries in Syrup                         |
|          | 1  | Special Vinegar Flavoured with Chillies      |
|          | 1  | Soy Sauce                                    |
|          | 1  | Wine Vinegar                                 |
|          | 1  | Seasoning                                    |
|          | 1  | Fru-Grains (Fruit and Nut Breakfast Cereal)  |
|          | 1  | Sauerkraut Zuurkool                          |
| Informal | 1  | Indian Mutton Curry                          |
| Informal | 1  | Tartex Paté                                  |
|          | 1  | Orange Drink                                 |
|          | 1  | Lemon Drink                                  |
|          | 1  | Blackcurrant Cordial                         |
|          | 1  | Whole Grapefruit Drink                       |
|          | 3  | Tea  |
| Informal | 1  | Marmade (Prepared Seville Oranges, Thin Cut) |
| Informal | 1  | Plum Peeled Tomatoes                         |
| Informal | 1  | Potted Meat                                  |
| Informal | 1  | Salicylic Acid and Sulphur Ointment B.P.C.   |
| Informal | 1  | Soap Linament B.P.C.                         |
| Informal | 1  | Soap Spirit                                  |
| Informal | 1  | Thalozole (.5 gr)                            |
| Informal | 1  | Reserpine Tablets B.P.                       |
| Informal | 1  | Sodium Bicarbonate Compound Tablets B.P.     |
|          | 1  | Halibut Liver Oil Capsules B.P.              |
|          | 1  | Raspberry Jam                                |
|          | 1  | Strawberry Jam                               |
|          | 1  | Blackcurrant Jam                             |
|          | 1  | Butterkist                                   |
|          | 1  | Peanut Kernels                               |
|          | 1  | Margarine                                    |
|          | 1  | Pink Sponge Sandwiches                       |
|          | 1  | Ginger Snaps                                 |
|          | 1  | Assorted Biscuits                            |
| Informal | 1  | Sterilised Cream                             |
| Informal | 1  | Braised Kidneys in Gravy                     |
| Informal | 1  | Shredded Wheat                               |
|          | 1  | Potted Meat                                  |
| Informal | 1  | Cabbage                                      |
| Informal | 2  | Luncheon Fingers in Barbecue Sauce           |
| Informal | 1  | Ham and Pork Fingers                         |
| Informal | 2  | Pork Luncheon Fingers                        |
| Informal | 1  | Sliced Chopped Pork                          |

## Samples—*continued*

|          |   |  |
|----------|---|--|
| Informal | 1 | Sliced Pork Luncheon Meat                      |
|          | 1 | Lemon Curd                                     |
| Informal | 1 | Mustard  |
|          | 1 | Piccalilli Sauce                               |
| Informal | 1 | Coconut Sponge Cake                            |
|          | 2 | Coffee   |
| Informal | 1 | Trifle Mixture                                 |
|          | 3 | Beef Sausage (Pairs)                           |
|          | 1 | Sucron   |
|          | 1 | Sultanas                                       |
|          | 1 | Stoned Raisins                                 |
|          | 1 | Orange Squash Concentrated                     |
|          | 1 | Quick Dried Garden Peas                        |
| Informal | 1 | Chocolate Jaffa Butter Sponge                  |
| Informal | 1 | Lamb Chops with Mint Gravy                     |
| Informal | 1 | Phenobarbitone Elixir B.P.C.                   |
| Informal | 1 | Phenolphthalein Compound Tablets B.P.C.        |
| Informal | 1 | Piperozine Adipate Tablets B.P.                |
|          | 1 | Trifle Mixture                                 |
|          | 1 | Mixed Spice                                    |
|          | 1 | Orange Crush                                   |
| Informal | 1 | Trifle   |
| Informal | 1 | Dairy Box                                      |
|          | 1 | Chop Suey Vegetables with Mushrooms            |
|          | 1 | Sage   |
|          | 1 | Mixed Pickling Spice                           |
| Informal | 1 | Stemetil Tablets (5 mg)                        |
| Informal | 1 | Pro-Banthine Tablets (15 mg)                   |
|          | 1 | Instant Dried Non-Fat Milk                     |
| Informal | 1 | Steak and Kidney Pie                           |
|          | 1 | Curry Powder                                   |
|          | 1 | Groundnut Oil                                  |
|          | 1 | Corn Oil Margarine                             |
|          | 1 | Country Chicken and Leek Soup                  |
|          | 1 | Ginger Sponge Pudding                          |
|          | 1 | Pearl Barley                                   |
| Informal | 1 | Grilled Gammon Steak with Broad Beans in Sauce |
| Informal | 2 | Potted Meat                                    |
| Informal | 1 | Pholcodine Linctus Strong B.P.C.               |
| Informal | 1 | Salicylic Acid Collodion B.P.C.                |
| Informal | 1 | Salicylic Acid Ointment B.P.C.                 |
|          | 1 | Glacé Cherries                                 |
|          | 1 | Spaghetti Hoops                                |
|          | 1 | Standard Fritter Mix                           |
|          | 1 | Plum Jam                                       |
| Informal | 1 | Apricot Dumpling                               |
|          | 1 | Orange Squash                                  |
|          | 1 | Scotch Whisky (70° Proof)                      |
|          | 1 | Gin (70° Proof)                                |



All samples were certified to be of genuine quality with the exception of :—

TINNED BLACKCURRANTS IN SYRUP, which contained an excessive amount of tin. At the subsequent court proceedings the vendors were fined £15 and ordered to pay £3 3s. costs.

LUNCHEON FINGERS IN BARBECUE SAUCE, the packaging of which was considered to be misleading. The matter was taken up with the packers concerned.

PHENOBARBITONE ELIXIR B.P.C., which contained an excess of phenobarbitone. A letter of caution was sent to the vendor concerned.

SALICYLIC ACID COLLODION B.P.C., which was not made up in accordance with the official formula. The chemist concerned was advised on the matter.





